

ORCHARD HEIGHTS

R-10 SUBDIVISION & WETLANDS APPLICATION

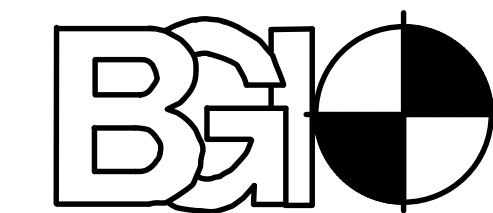
FOR WORK WITHIN UPLANDS REVIEW AREA

380 TUNXIS ROAD—WEST HARTFORD, CONNECTICUT

PROPERTY OF: ORCHARD HEIGHTS DEVELOPERS, LLC
380 TUNXIS ROAD
WEST HARTFORD, CONNECTICUT 06107

DEVELOPER: ORCHARD HEIGHTS DEVELOPERS, LLC
380 TUNXIS ROAD
WEST HARTFORD, CONNECTICUT 06107
(860) 716-9922
CONTACT: JEFF WEBSTER

LAND SURVEYING-LAND PLANNING: THE BONGIOVANNI GROUP, INC.
170 PANE ROAD
NEWINGTON, CONNECTICUT 06111
(860) 666-0134



THE BONGIOVANNI GROUP, INC.
LAND SURVEYORS

CIVIL ENGINEERING: WESTON & SAMPSON
273 DIVIDEND ROAD
ROCKY HILL, CONNECTICUT 06067
(860) 513-1473

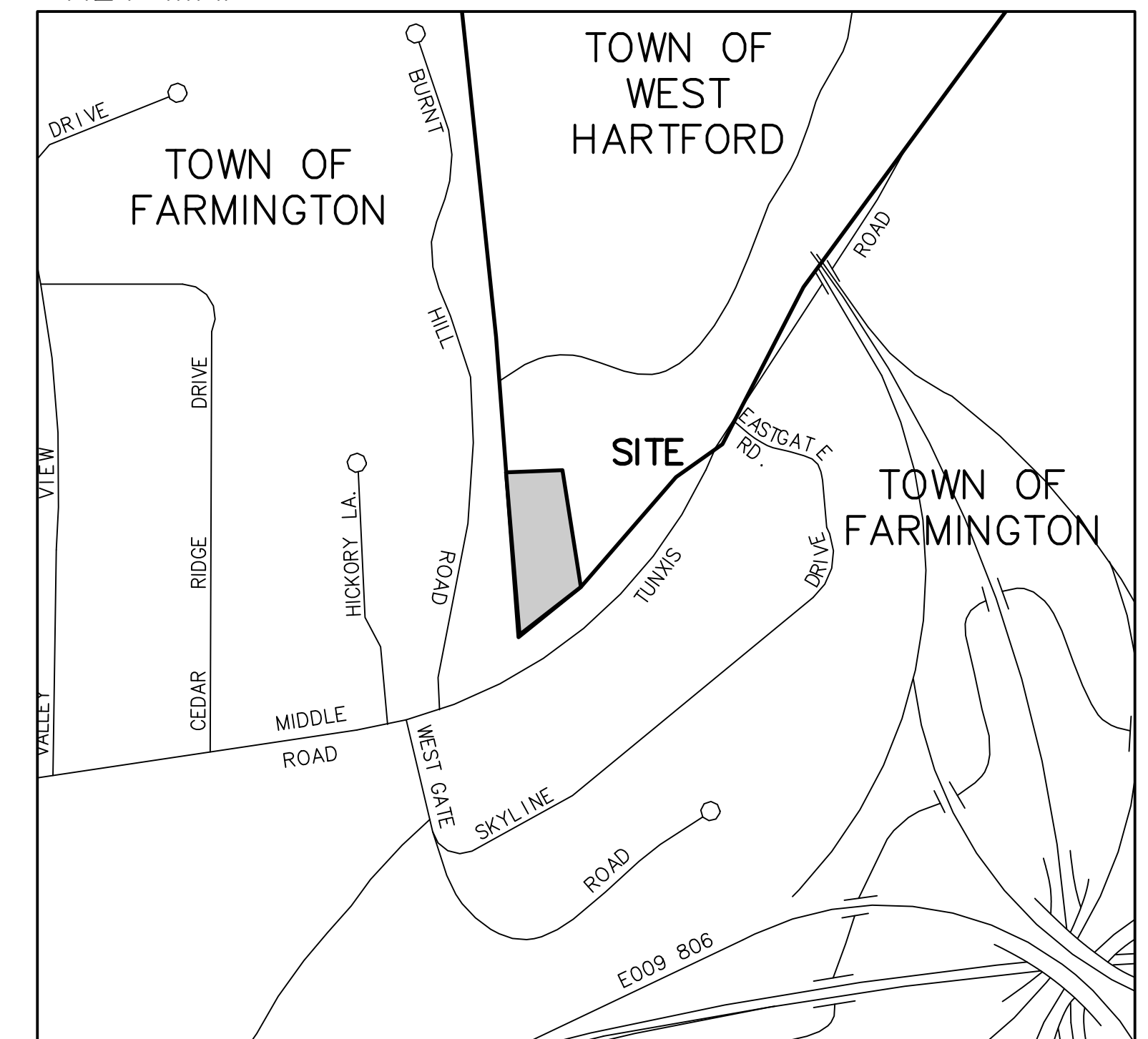


273 Dividend Road, Rocky Hill, CT 06067
860.513.1473 800.SAMPSON
www.westonandsampson.com

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KEY MAP

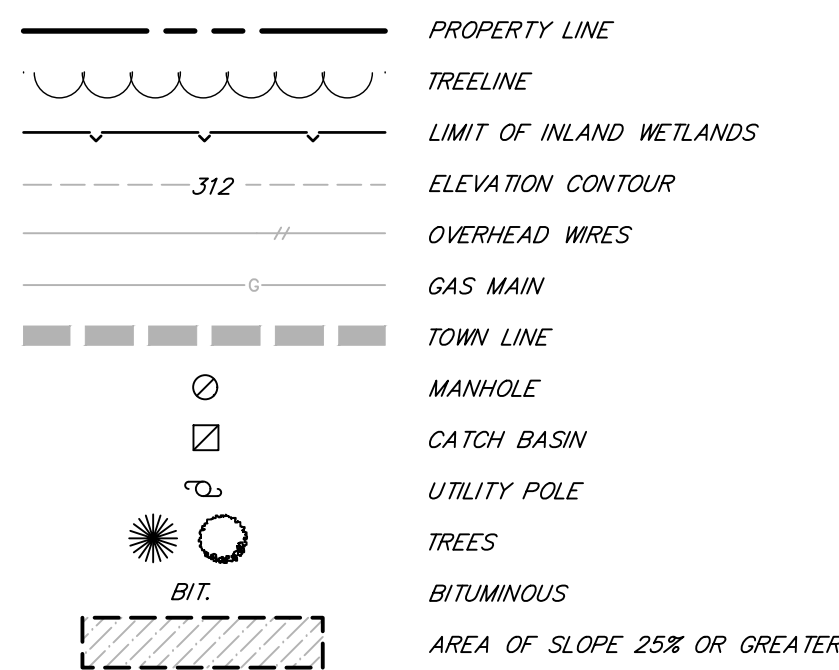


GENERAL NOTES:

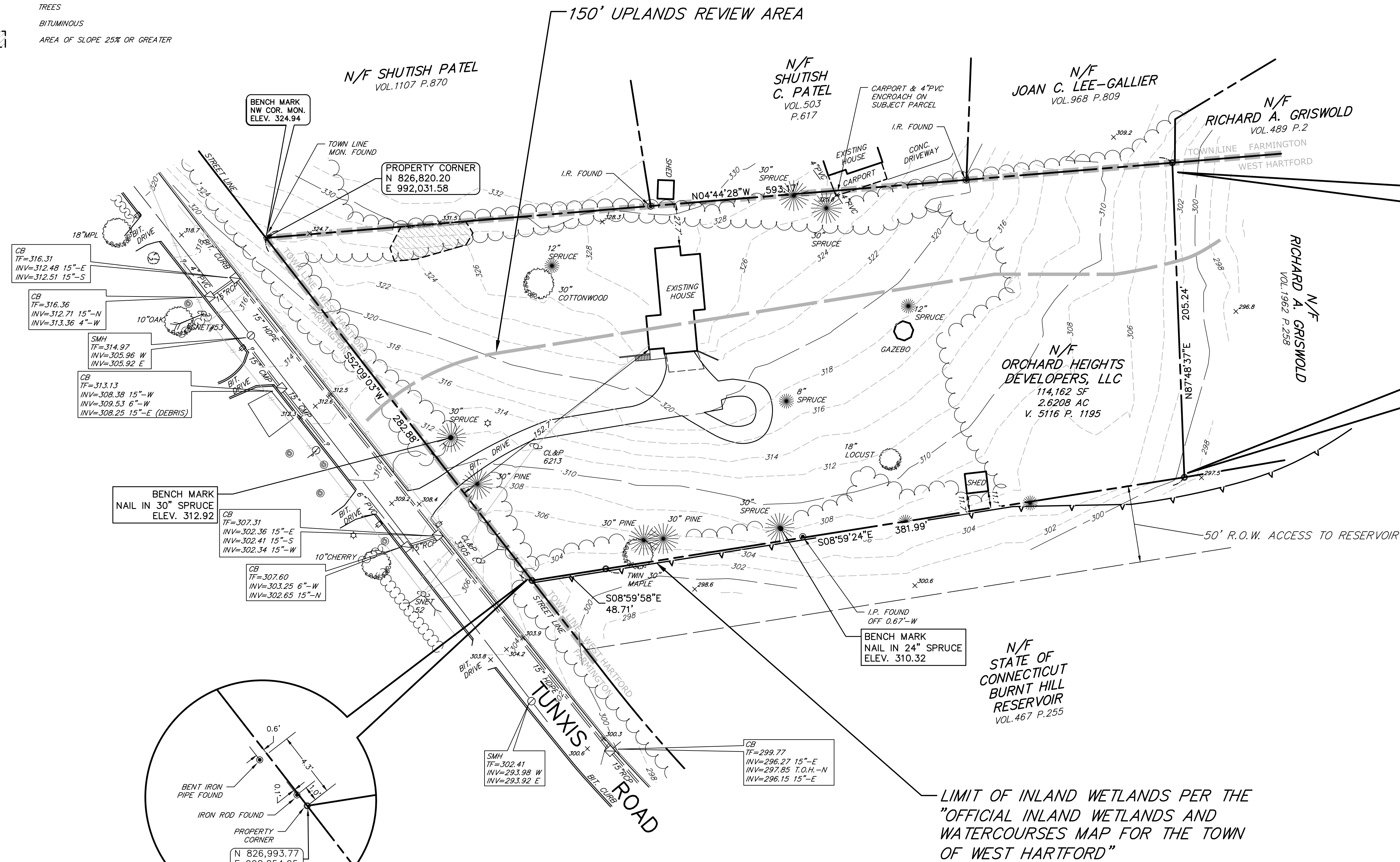
- HOUSE LOCATIONS AND ELEVATIONS ARE FOR THE PURPOSE OF DEMONSTRATING THAT ALL LOTS WILL SUPPORT DEVELOPMENT FOR THEIR INTENDED PURPOSE. THE PROPOSED HOUSES AS SHOWN ARE NOT INTENDED IN ANY WAY TO LIMIT THE SIZE, STYLE, LOCATION OR ELEVATION OF THE ACTUAL HOUSES TO BE BUILT.
- ALL DISTURBED AREAS TO BE TOPSOILED AND SEEDED.
- LOT GRADING SHALL BE DONE TO PROVIDE SURFACE DRAINAGE AND PREVENT PONDING.
- SANITARY SEWERAGE TO BE PROVIDED BY THE METROPOLITAN DISTRICT.
- WATER SERVICE TO BE PROVIDED BY ONSITE WELLS.
- VERTICAL DATUM = NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988).
- HORIZONTAL DATUM = NAD 83 (NORTH AMERICAN DATUM OF 1983).
- ALL UTILITIES SHALL BE UNDERGROUND.
- CONSTRUCTION OF ANY IMPROVEMENTS SHOWN SHALL BE IN ACCORDANCE WITH CTDOT, FORM 817, AS AMENDED, "STANDARD SPECIFICATIONS FOR ROAD, BRIDGES AND INCIDENTAL CONSTRUCTION", "TOWN OF WEST HARTFORD SPECIFICATIONS FOR CONSTRUCTION OF ROADS", "TOWN OF WEST HARTFORD ZONING REGULATIONS", "TOWN OF WEST HARTFORD SUBDIVISION REGULATIONS", "TOWN OF WEST HARTFORD INLAND WETLANDS AND WATERCOURSES REGULATIONS" AND THE CONNECTICUT LANDSCAPE ASSOCIATION'S "STANDARD SPECIFICATIONS FOR PLANTING TREES, SHRUBS, VINES, ETC." ARE TO BE USED FOR CONSTRUCTION STANDARDS.
- ACCESS TO THE SITE DURING CONSTRUCTION SHALL BE THROUGH THE CONSTRUCTION ENTRANCE AS SHOWN ON THE PLANS AND NO OTHER ACCESS SHALL BE ALLOWED.
- SHADE TREES SHALL EITHER BE PRESERVED OR PLANTED ON EACH LOT IN ACCORDANCE WITH WEST HARTFORD SUBDIVISION REGULATIONS SECTION A184-26.

Date: 1-18-19
Revised: 4-26-19

LEGEND



NAD83



REFERENCE MAPS:

- "BOUNDARY SURVEY, MAP OF C.R. CASTALDI, 414 TUNKIS ROAD, WEST HARTFORD, CONN., DATE: 3-23-88, SCALE: 1"=40', REVISED THROUGH 5-3-88, BY BGI, THE BONGIOVANNI GROUP, INC.
- "FINAL PLOT PLAN BURNT HILL, PREPARED FOR NEWELL STAMM, BURNT HILL ROAD, FARMINGTON, CONN., SCALE 1"=40', DATE JUNE 30, 1983, ALFORD ASSOCIATES, INC."
- "TOWN OF FARMINGTON, HIGHWAY MAP, MIDDLE ROAD, FROM OLD SOUTH ROAD, EASTERLY TO WEST HARTFORD, SCALE 1"=40', DATE JAN. 1940, SHEETS 3 & 4 OF 5, TOWN ENGINEER.

NOTES:

- THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996;

TYPE OF SURVEY: PROPERTY SURVEY

BOUNDARY DETERMINATION CATEGORY: RESURVEY

CLASS OF HORIZONTAL ACCURACY: A-2
CLASS OF VERTICAL ACCURACY: V-2
CLASS OF TOPOGRAPHIC ACCURACY: A-2
CLASS OF TOPOGRAPHIC ACCURACY: T-2
SURFACE UTILITY ACCURACY: T-2
UNDERGROUND UTILITY ACCURACY: D (COMPILED)

INTENDED USE: EXISTING CONDITIONS

2. HORIZONTAL DATUM IS BASED ON NAD'83.

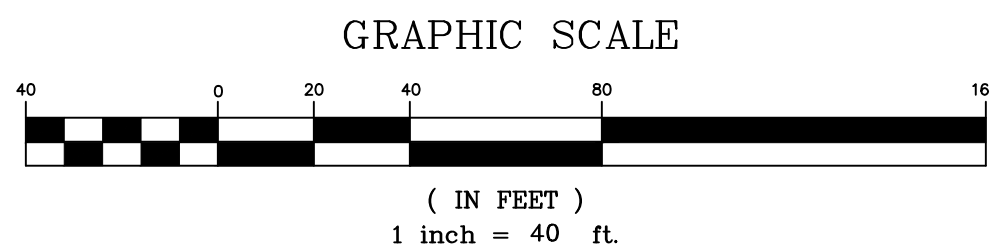
3. ELEVATIONS ARE BASED ON NAVD'88

4. THIS MAP IS VALID ONLY IF IT BEARS THE ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE UNDERSIGNED LAND SURVEYOR.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

SURVEYOR'S SIGNATURE DATE LICENSE NUMBER 14649

THIS DRAWING HAS BEEN PREPARED BASED, IN PART, ON INFORMATION PROVIDED BY OTHERS RELATING TO THE LOCATION OF UNDERGROUND SERVICES. WE CAN NOT VERIFY THE ACCURACY OF THIS INFORMATION AND SHALL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.
INDICATED UNDERGROUND UTILITIES ARE BASED ON AVAILABLE DATA. THE LOCATIONS ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN.
CALL "CALL B-4-U DIG" AT 1-800-922-4455 PRIOR TO ANY EXCAVATION.



Date: 10-08-18
Drawn: DUB
Checked: AB

Revision
Date

TOWN COMMENTS
4-26-19

RESURVEY
PREPARED FOR
ORCHARD HEIGHTS DEVELOPERS LLC
380 TUNKIS ROAD
WEST HARTFORD, CONNECTICUT

PROPERTY
SURVEY

Sheet
2 of 16

87306

LEGEND

	STONE WALL
	FENCE
	REBAR TO BE SET
	EXISTING MERESTONE
	MERESTONE TO BE SET
	PROPERTY LINE
	BUILDING LINE
	TOWN LINE

Line Table		
Line #	Direction	Length
L1	N8°59'24"W	33.18'

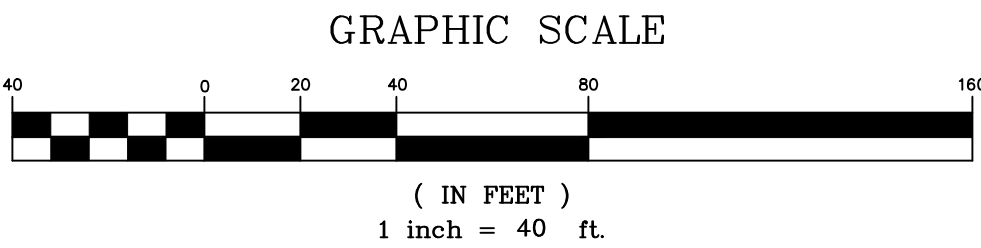
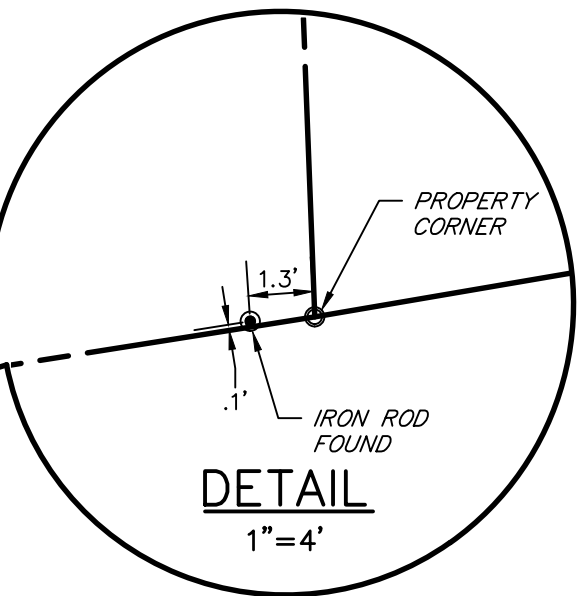
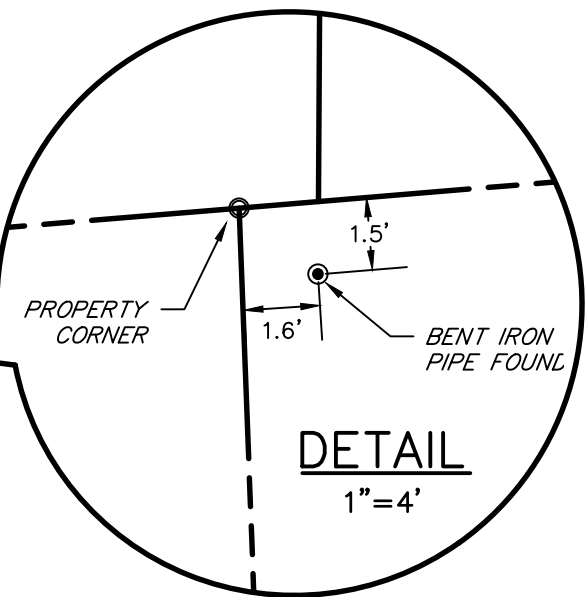
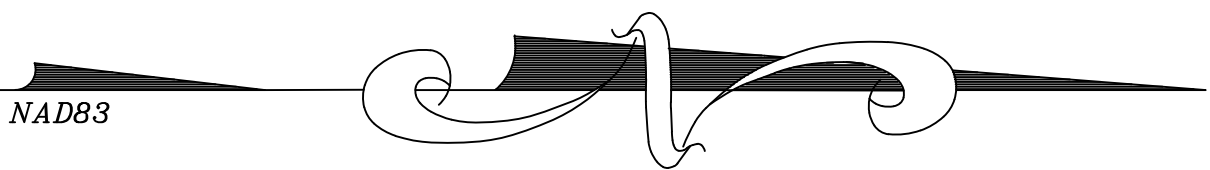
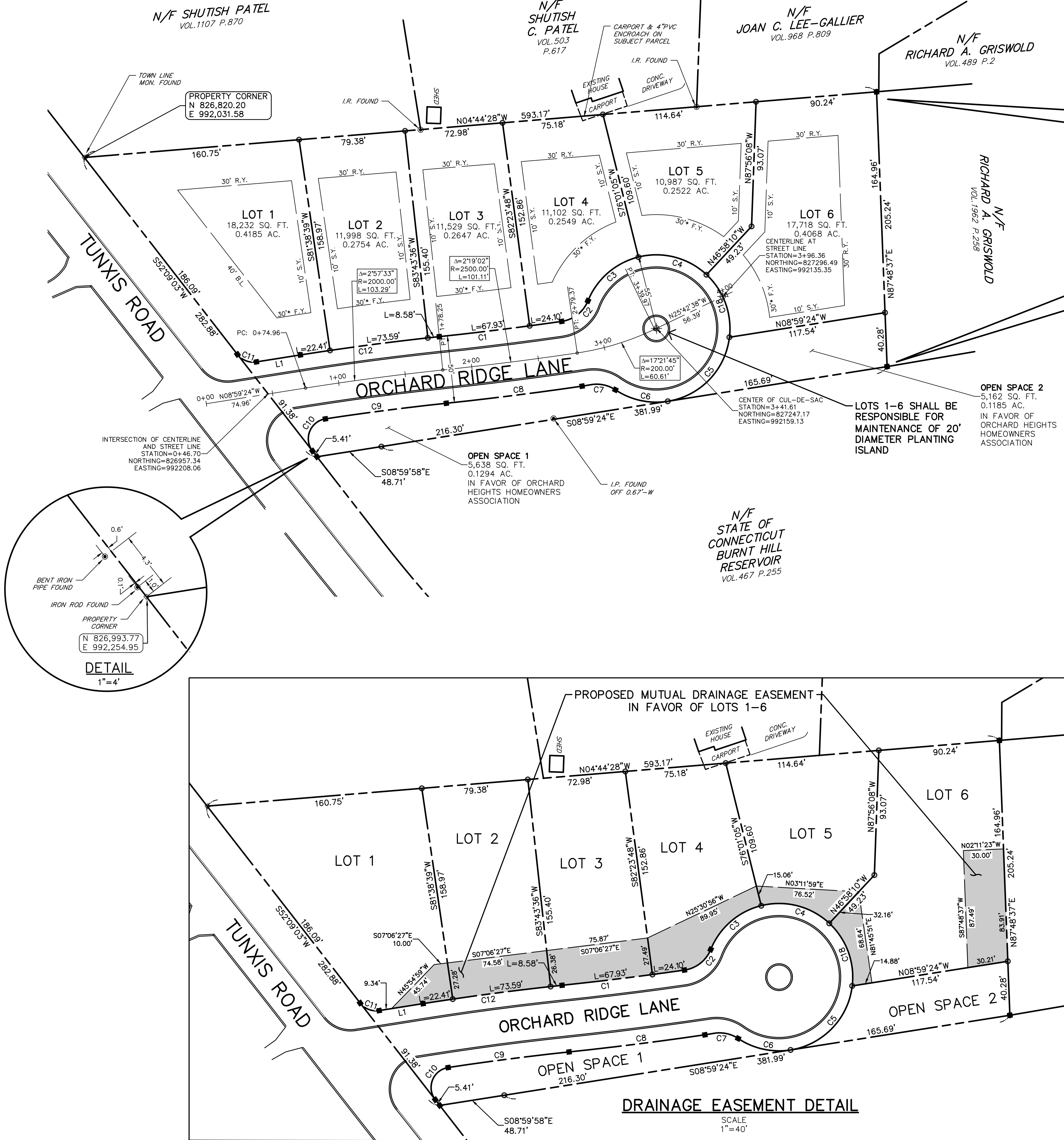
Curve Table			
Curve #	Delta	Radius	Length
C1	2°07'50"	2475.00'	92.03'
C2	59°47'03"	25.00'	26.09'
C3	53°57'49"	55.00'	51.80'
C4	57°00'44"	55.00'	54.73'
C5	74°10'24"	55.00'	71.20'
C6	42°40'46"	55.00'	40.97'
C7	43°44'34"	25.00'	19.09'
C8	2°19'02"	2525.00'	102.12'
C9	2°38'23"	1975.00'	90.99'
C10	119°10'43"	15.00'	31.20'
C11	61°08'27"	15.00'	16.01'
C12	2°57'33"	2025.00'	104.58'
C18	53°48'23"	55.00'	51.65'

Lot Area Table		
Lot #	Area (square feet)	Area (acres)
1	18,232	0.4185
2	11,998	0.2754
3	11,529	0.2647
4	11,102	0.2549
5	10,987	0.2522
6	17,718	0.4068
OPEN SPACE 1	5,638	0.1294
OPEN SPACE 2	5,162	0.1185

LOT WIDTH AND DEPTH TABLE		
LOT #	AVERAGE LOT WIDTH	AVERAGE LOT DEPTH
1	110.23'	161.13'
2	76.47'	157.18'
3	74.73'	154.13'
4	83.20'	131.23'
5	98.62'	122.62'
6	93.61'	146.15'

ZONING COMPLIANCE CHART - R-10 DISTRICT		
CATEGORY	REQUIRED	PROPOSED
MINIMUM LOT AREA	10,500 SF	10,987 S.F. AND GREATER
AVERAGE LOT WIDTH	70'	74.73' AND GREATER
MINIMUM LOT DEPTH	100'	122.62' AND GREATER
MINIMUM FRONT YARD	30'*	30.0'
MINIMUM SIDE YARD (MAIN BUILDING)	10	10.0'
MINIMUM SIDE YARD (ACCESSORY BUILDING)	2'	NONE PROPOSED
MINIMUM SIDE YARD (PARKING AREA)	2'	ALL ARE 5' AND GREATER
MINIMUM REAR YARD (MAIN BUILDING)	30'	30'
MINIMUM REAR YARD (ACCESSORY BUILDING)	2'	NONE PROPOSED
MINIMUM REAR YARD (PARKING AREA)	2'	ALL ARE 76' AND GREATER
MAXIMUM BUILDING HEIGHT (STORIES)	2.5	2.5 STORIES AND LESS
MAXIMUM BUILDING HEIGHT (FEET)	30'	LESS THAN 30'
MAXIMUM HEIGHT ACCESSORY BUILDING (STORIES)	1.5	NONE PROPOSED
MAXIMUM HEIGHT ACCESSORY BUILDING (FEET)	15'	NONE PROPOSED
MAXIMUM LOT COVERAGE	30%	ALL ARE 18.3% AND LESS
MAXIMUM HORIZONTAL DIMENSIONS PER BUILDING	250'	190'

* 30' F.Y. PROPOSED BY THE DEVELOPER



NOTES:

1. LOT 1 SHALL NOT BE ALLOWED DIRECT DRIVEWAY ACCESS TO TUNXIS ROAD

REFERENCE MAPS:

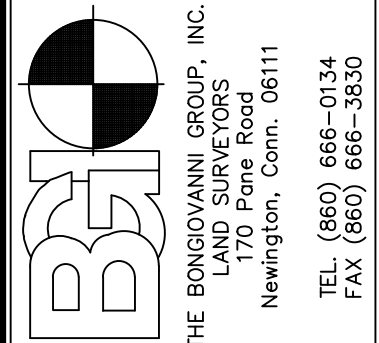
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BOUNDARY DETERMINATION CATEGORY: RESURVEY
CLASS OF HORIZONTAL ACCURACY: A-2
CLASS OF BOUNDARY ACCURACY: A-2
INTENDED USE: SUBDIVISION OF PROPERTY
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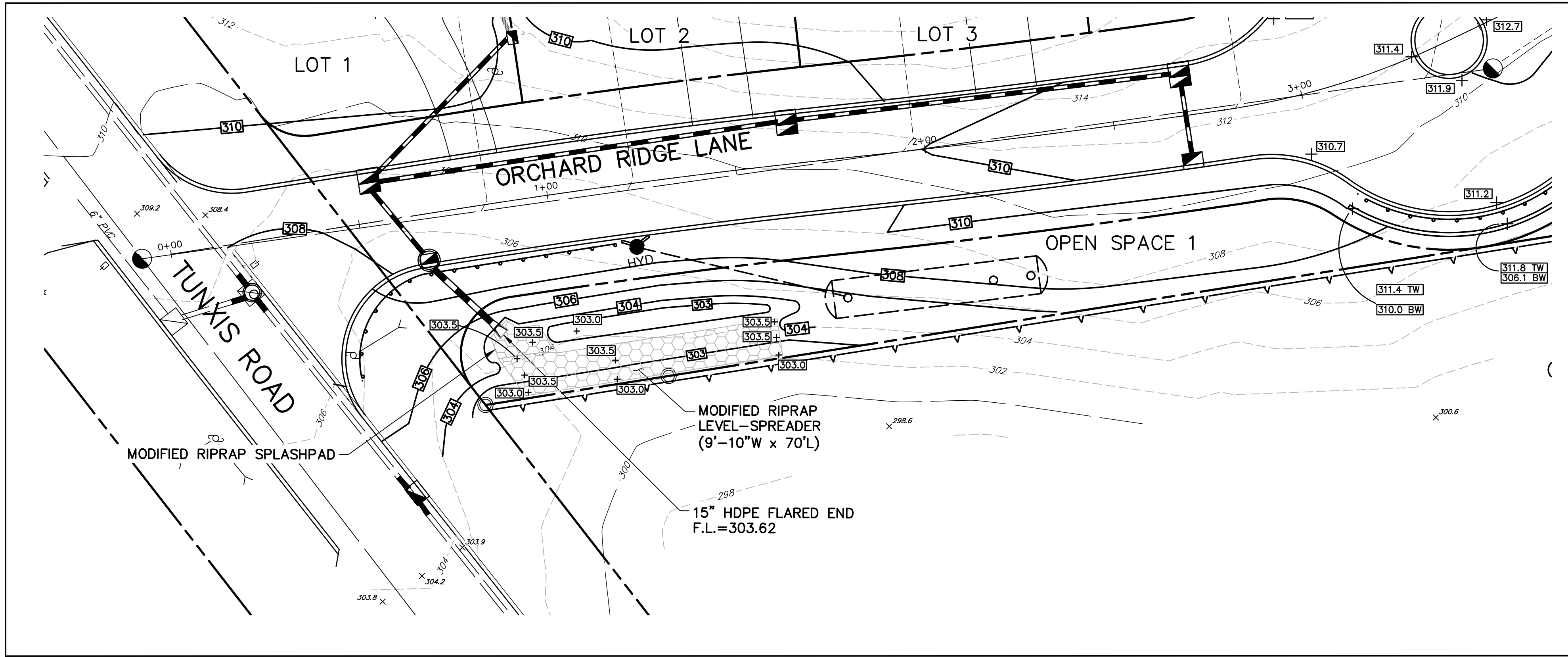
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SURVEYOR'S SIGNATURE DATE LICENSE NUMBER 14649



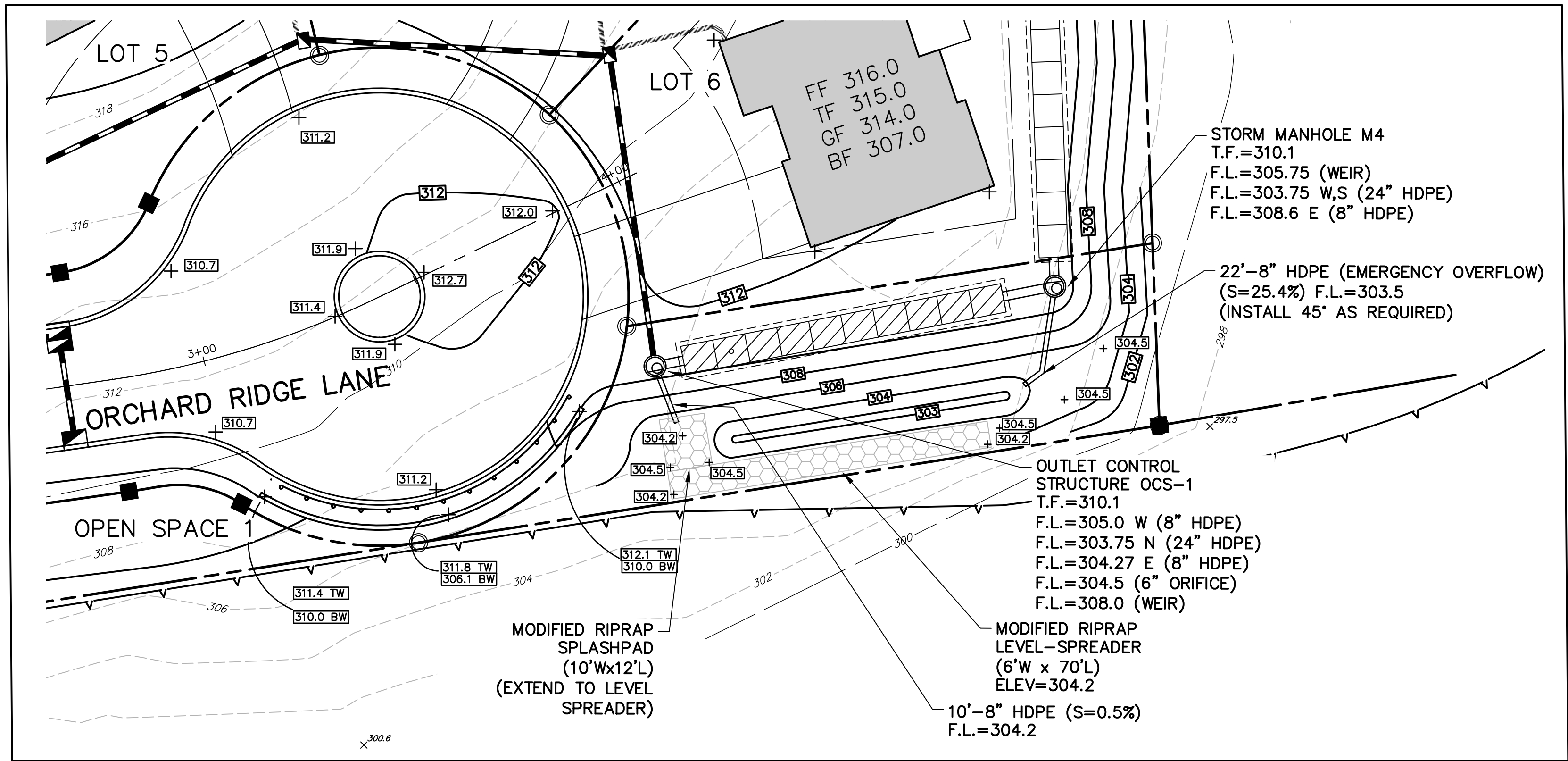
Date: 1-18-19	Scale: 1"=40'
Drawn: BTM	Checked: AB
Revision	Date
TOWN COMMENTS	4-26-19

ORCHARDS HEIGHTS DEVELOPERS LLC
PREPARED FOR
ORCHARD HEIGHTS DEVELOPERS LLC
380 TUNXIS ROAD
WEST HARTFORD, CONNECTICUT
SUBDIVISION MAP



GRADING ENLARGEMENT – OPEN SPACE 1

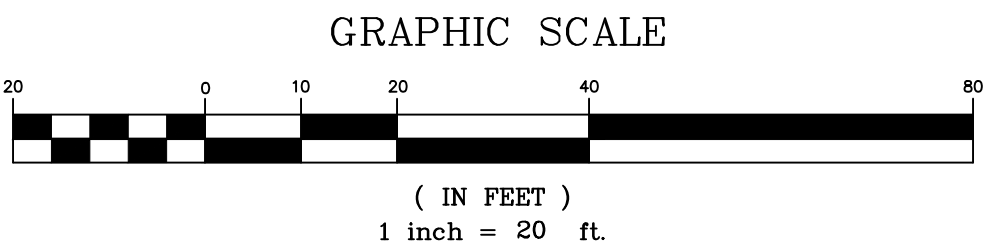
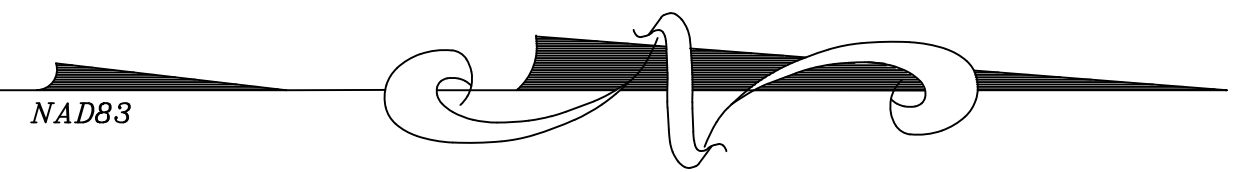
SCALE
1"=20'



GRADING ENLARGEMENT – OPEN SPACE 2

SCALE
1"=20'

EXISTING	LEGEND	PROPOSED
	CATCH BASIN	
	MANHOLE	
	ELEVATION CONTOUR	
	SPOT ELEVATION	
	SPOT ELEVATION AT TOP OF WALL	
	SPOT ELEVATION AT BOTTOM OF WALL	
	TREE LINE	
	6" PVC ROOF LEADER	
	FOOTING DRAIN	
	DIRECTION OF SURFACE FLOW	
	STORM SEWER PIPE	
	SIGN	
	LIGHT STANDARD	
	SANITARY LATERAL	



Date: 1-18-19
Drawn: BTM

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ORCHARD HEIGHTS
PREPARED FOR

ORCHARD HEIGHTS DEVELOPERS LLC

380 TUNXIS ROAD

WEST HARTFORD, CONNECTICUT

GRADING
ENLARGEMENTS

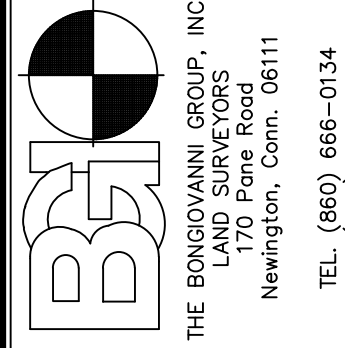
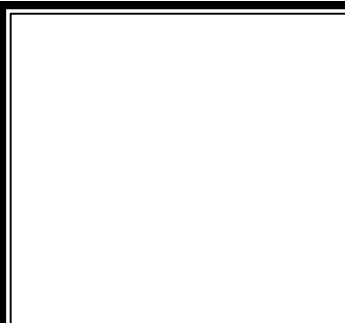
20 SCALE

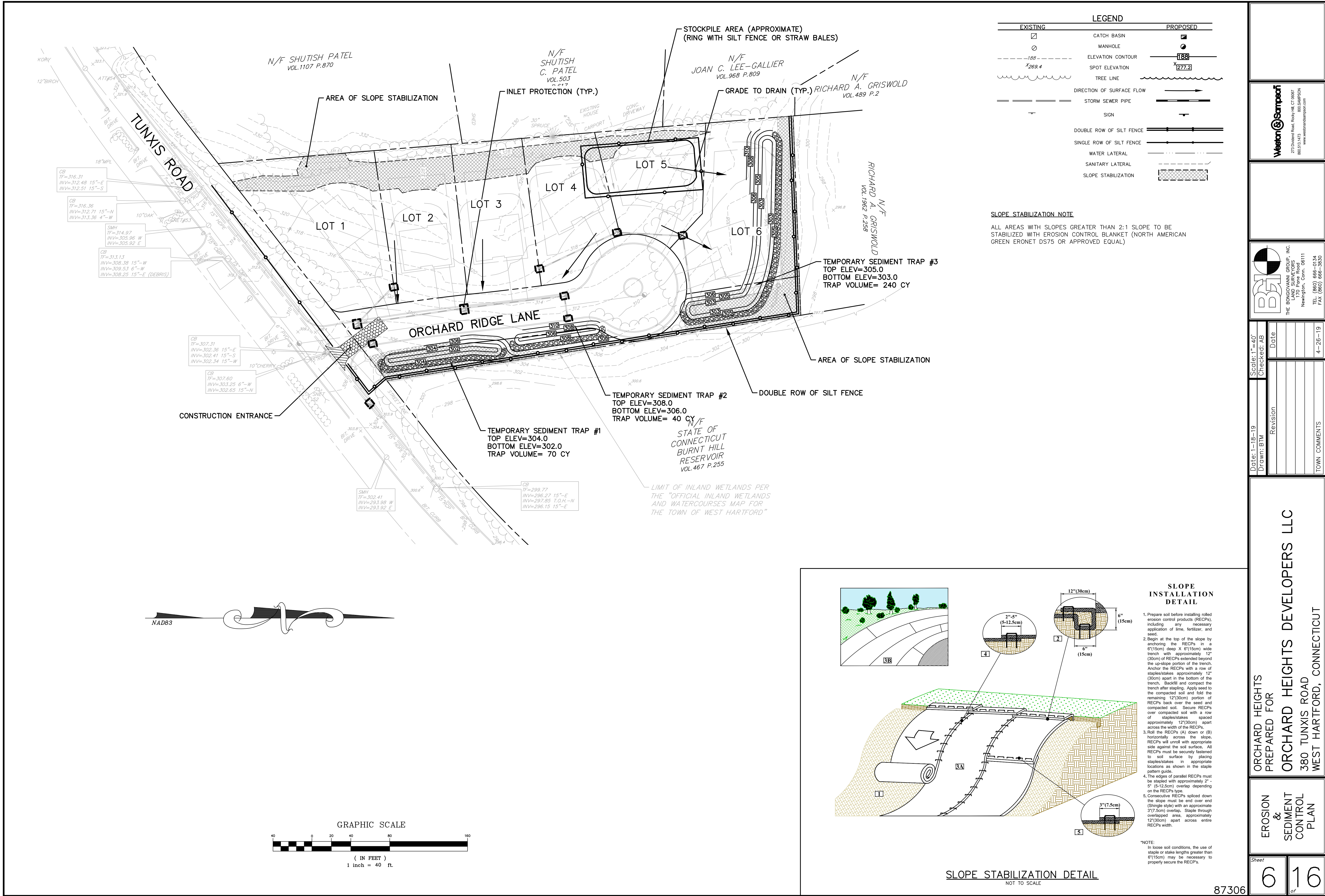
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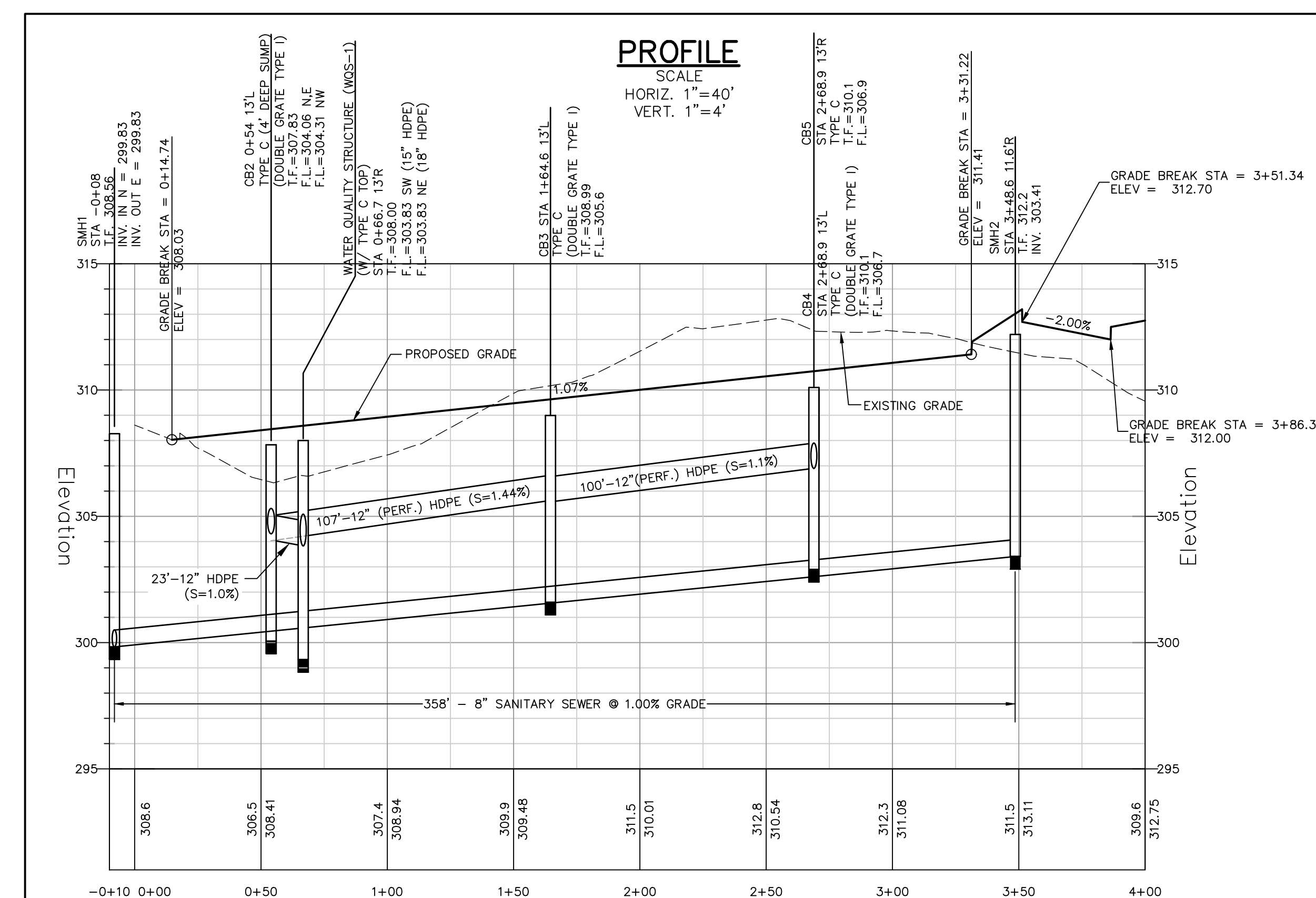
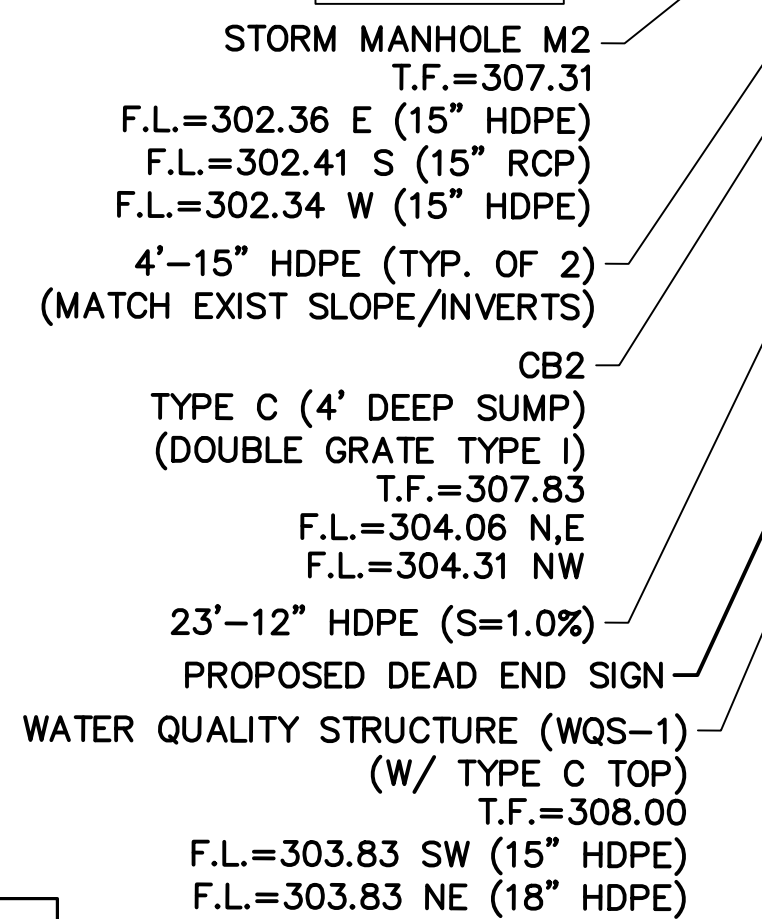
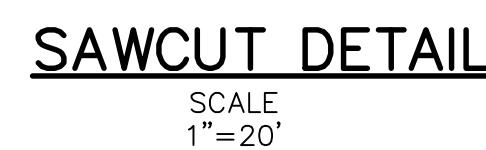
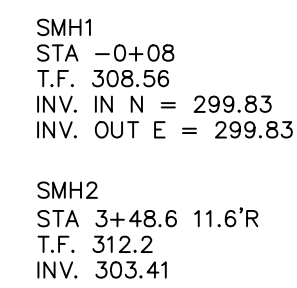
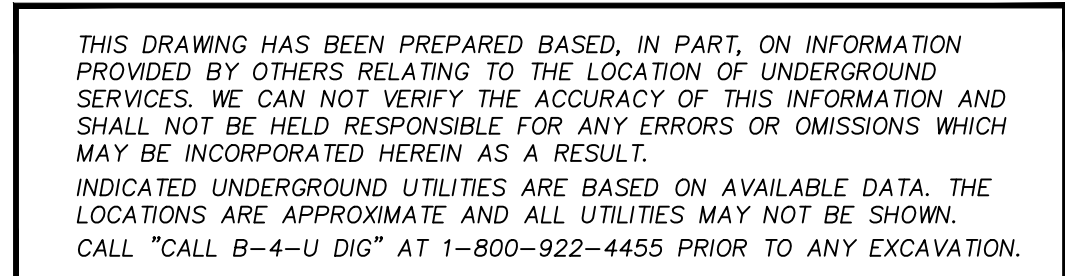
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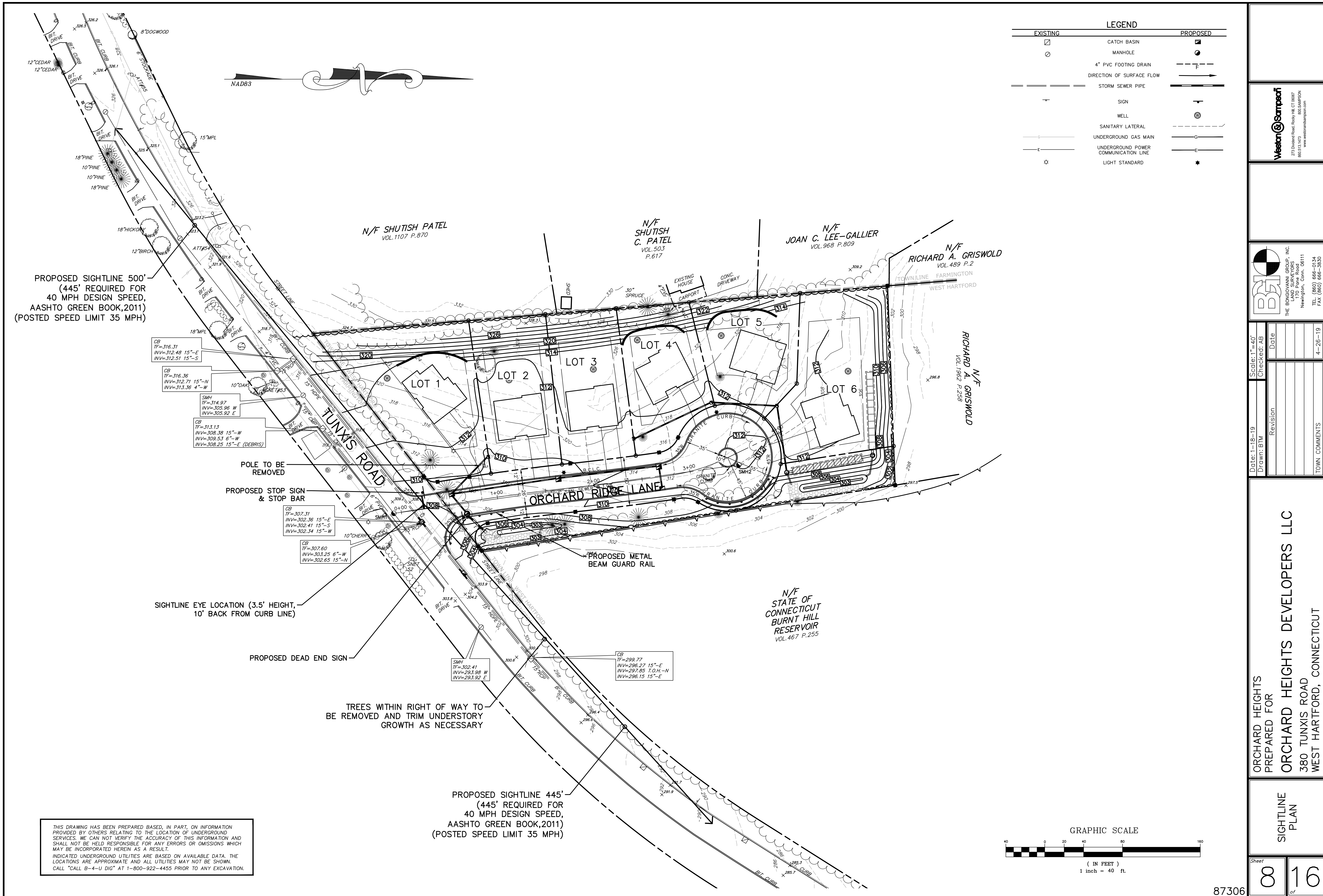
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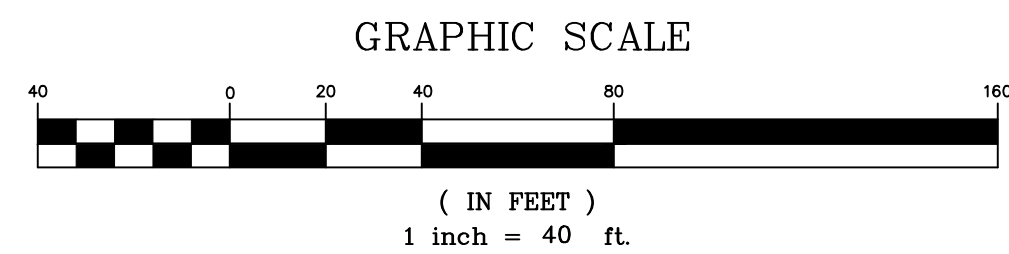
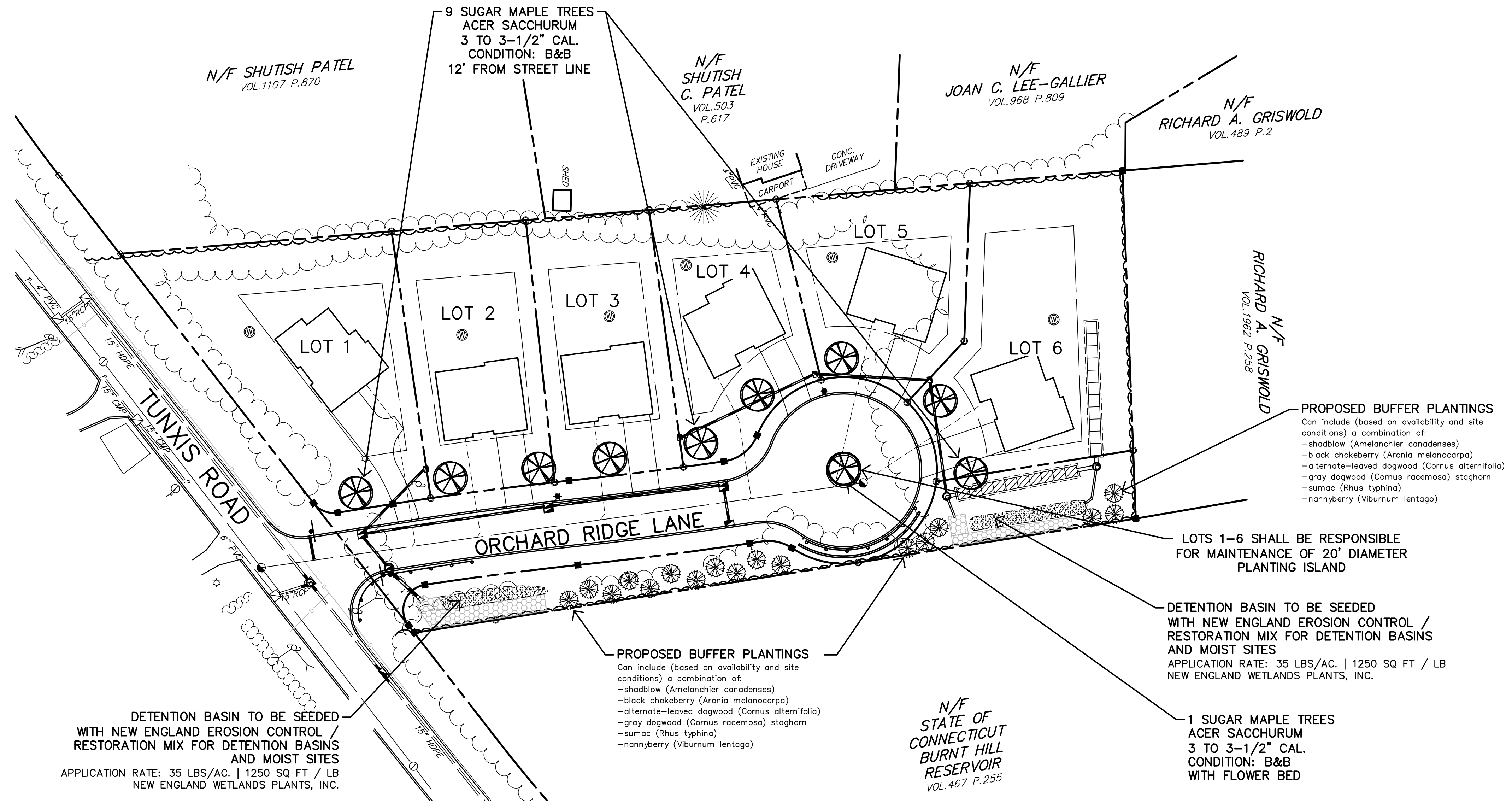
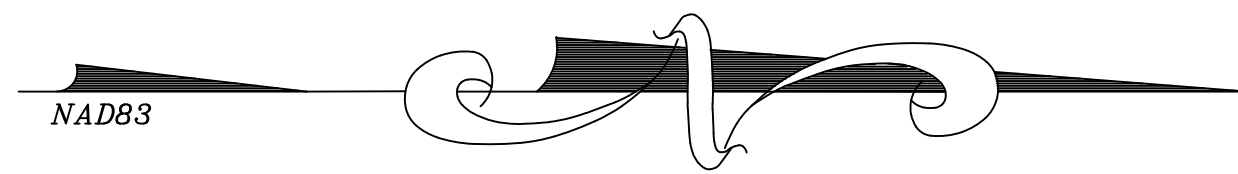
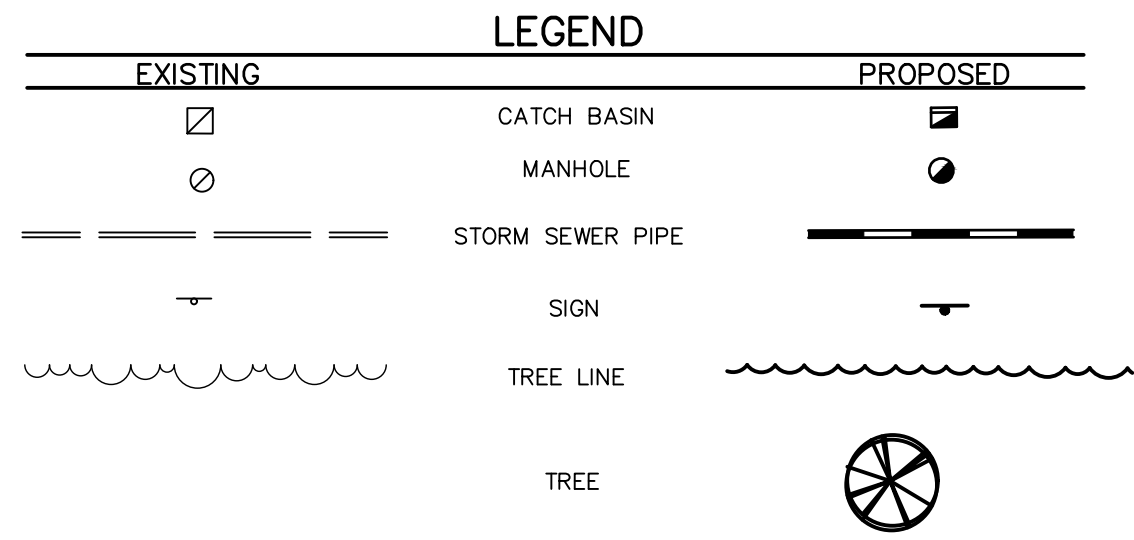
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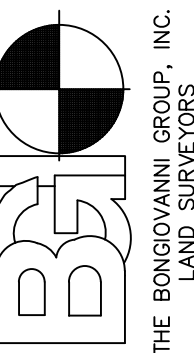








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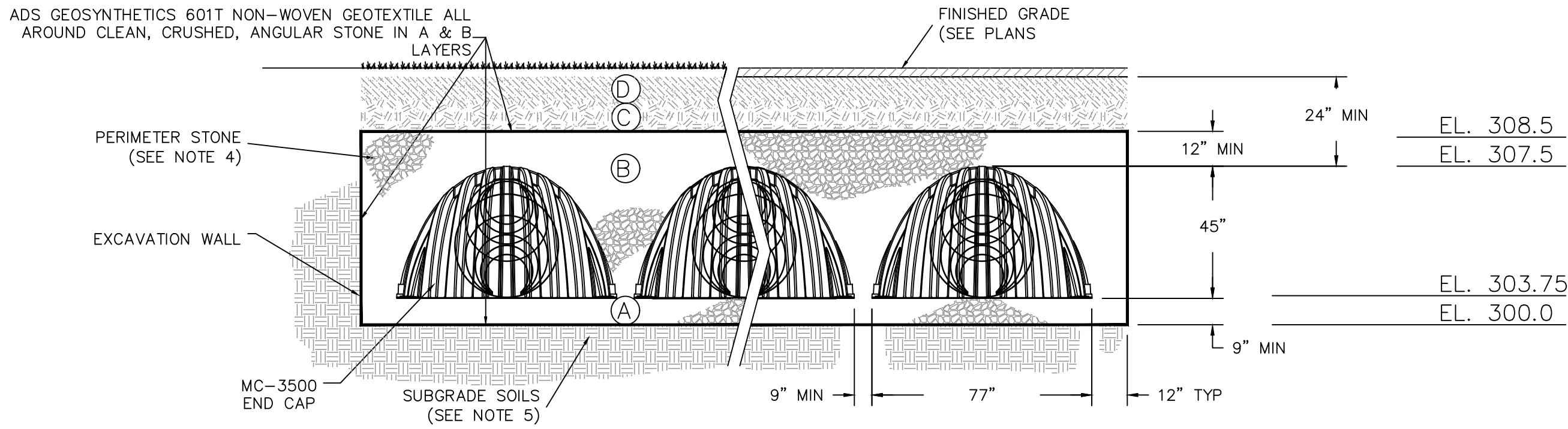


Date: 1-18-19	Scale: 1"=40'
Drawn: BTM	Checked: AB
Revision	Date
TOWN COMMENTS	4-26-19

ORCHARD HEIGHTS
PREPARED FOR
ORCHARD HEIGHTS DEVELOPERS LLC
380 TUNXIS ROAD
WEST HARTFORD, CONNECTICUT

PLANTING
PLAN

Sheet
9 of 16



NOTES:

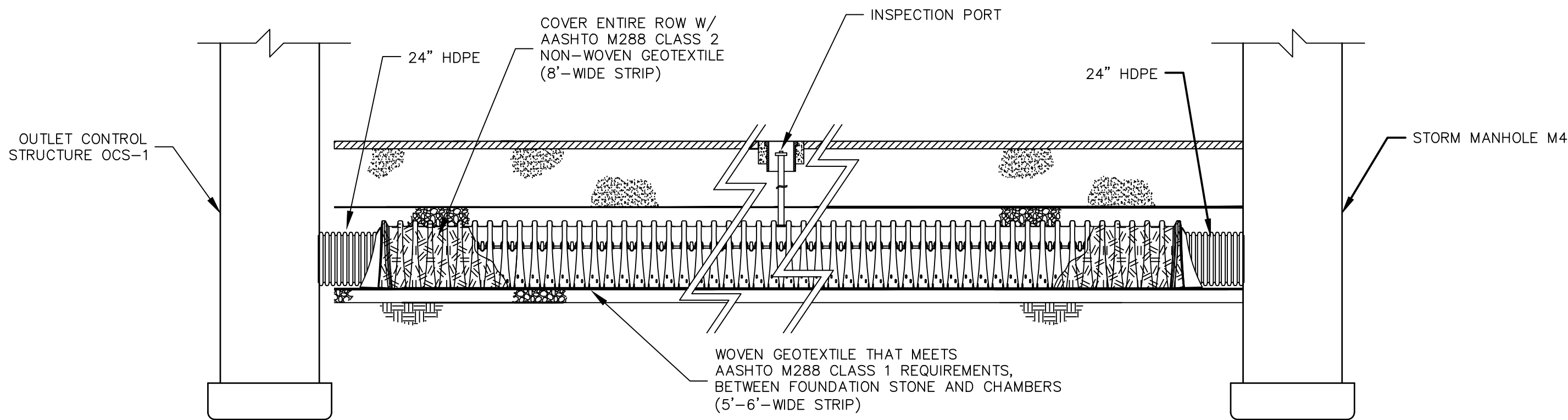
- MC-3500 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- "ACCEPTABLE FILL MATERIALS" TABLE BELOW PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR VERTICAL EXCAVATION WALLS.
- ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

MC-3500 TYPICAL CROSS SECTION
N.T.S

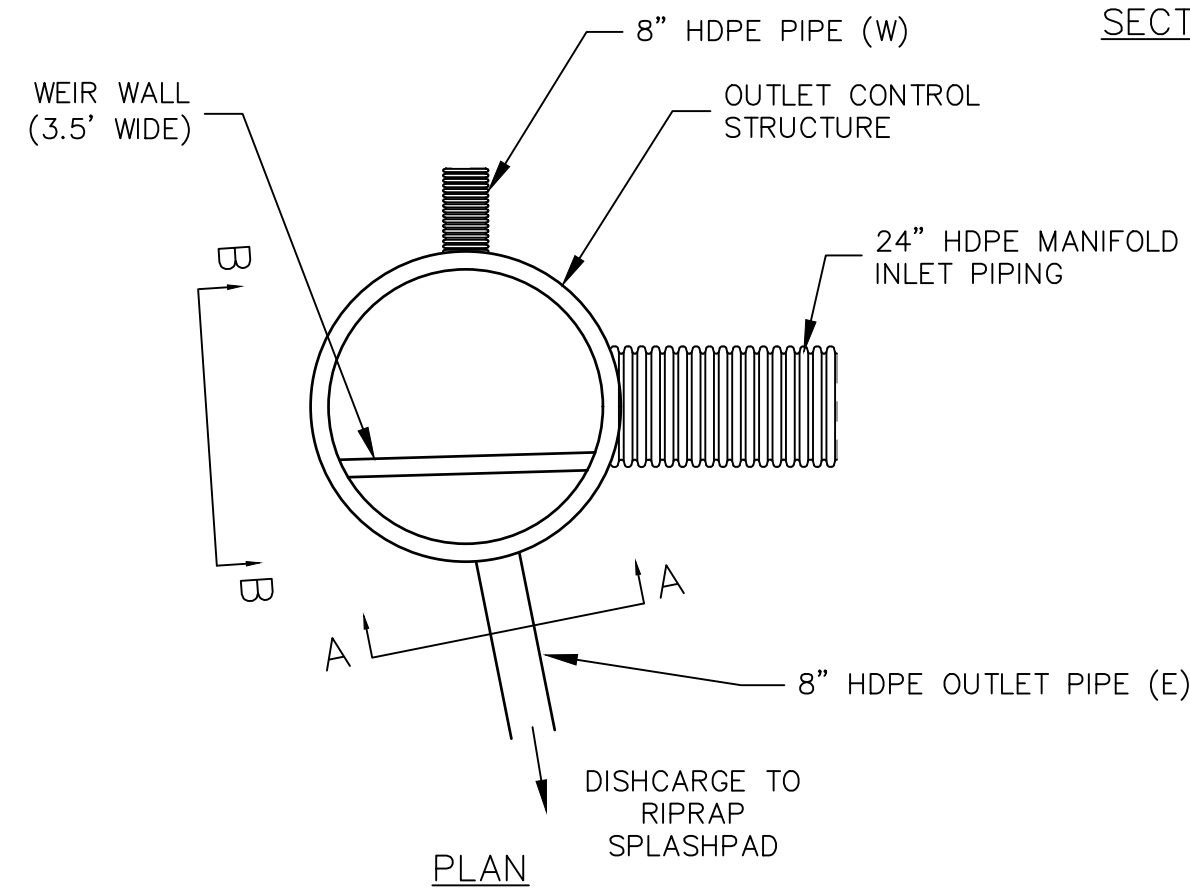
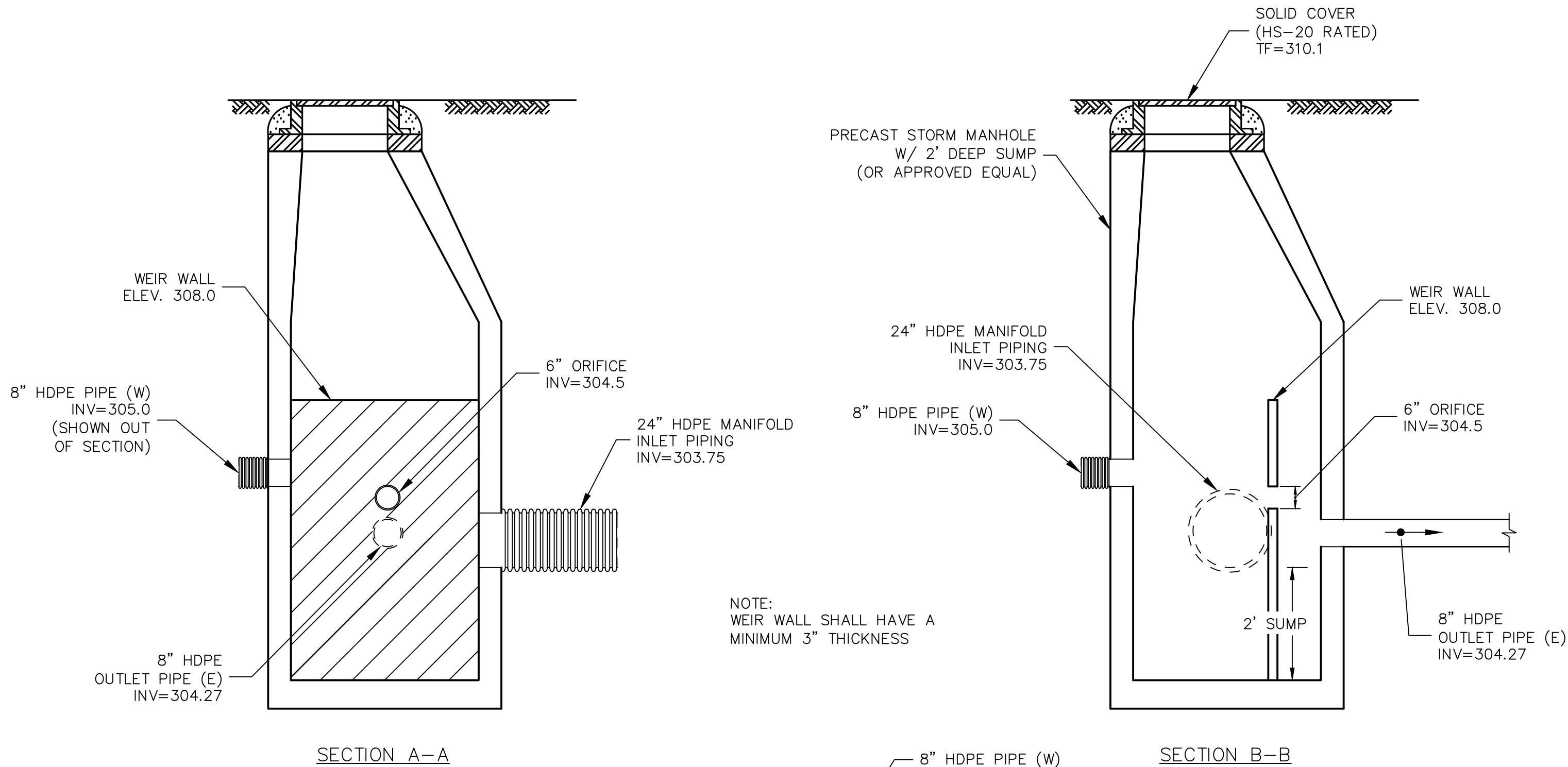
	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION BETWEEN 3/4-2 INCH (20-50 mm)	AASHTO M43 ¹ 3, 4	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION BETWEEN 3/4-2 INCH (20-50 mm)	AASHTO M43 ¹ 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ²

- PLEASE NOTE:
- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
 - STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.

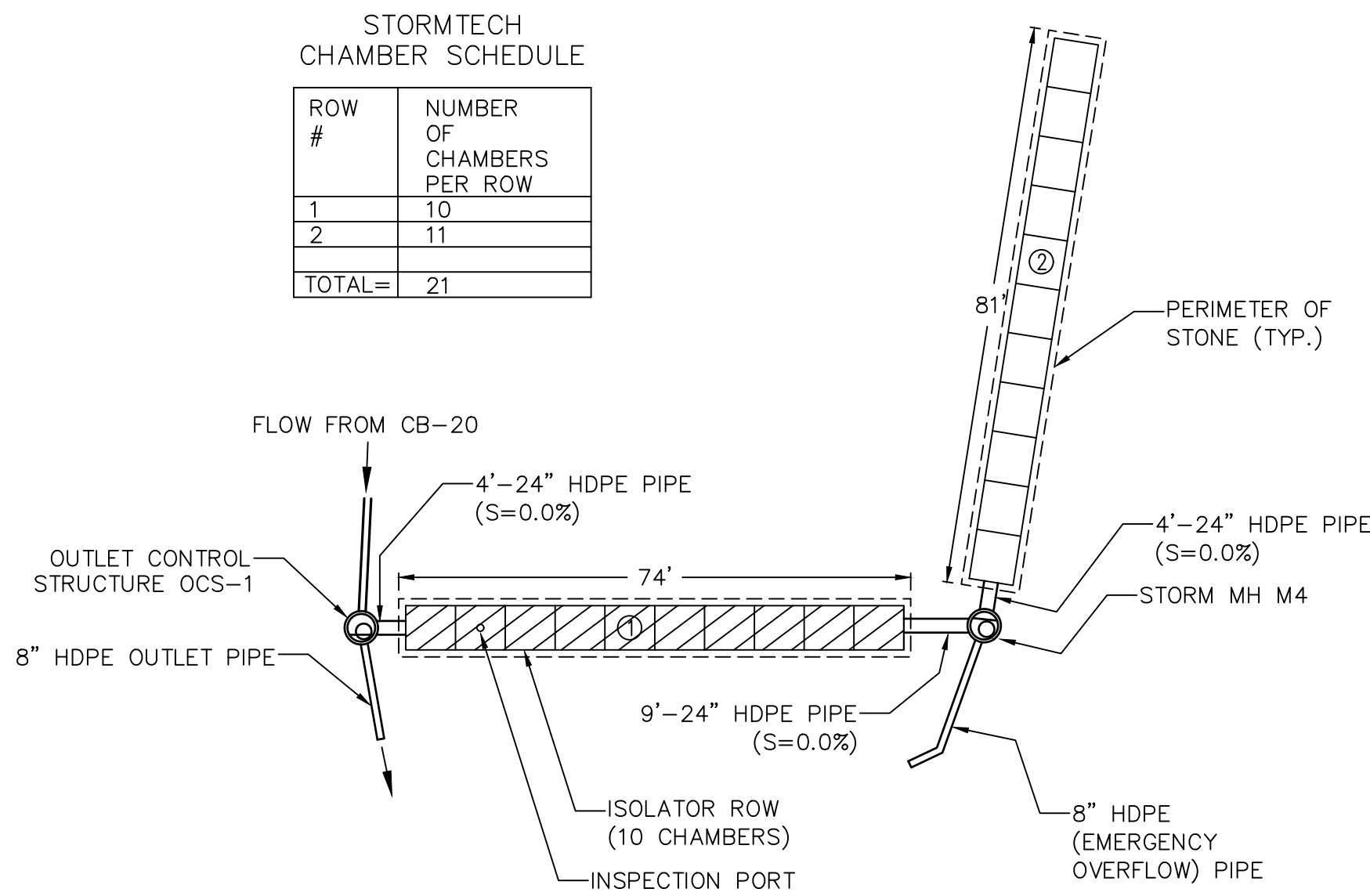
ACCEPTABLE FILL MATERIALS
STORMTECH MC-3500 CHAMBER CHAMBER SYSTEMS



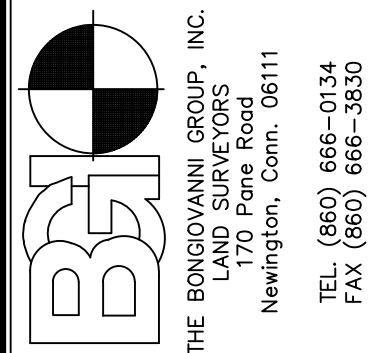
ISOLATOR ROW PROFILE
N.T.S.



OUTLET CONTROL STRUCTURE (OCS-1) AND PIPING DETAIL
N.T.S



SUBGRADE DETENTION SYSTEM SCHEMATIC
N.T.S.



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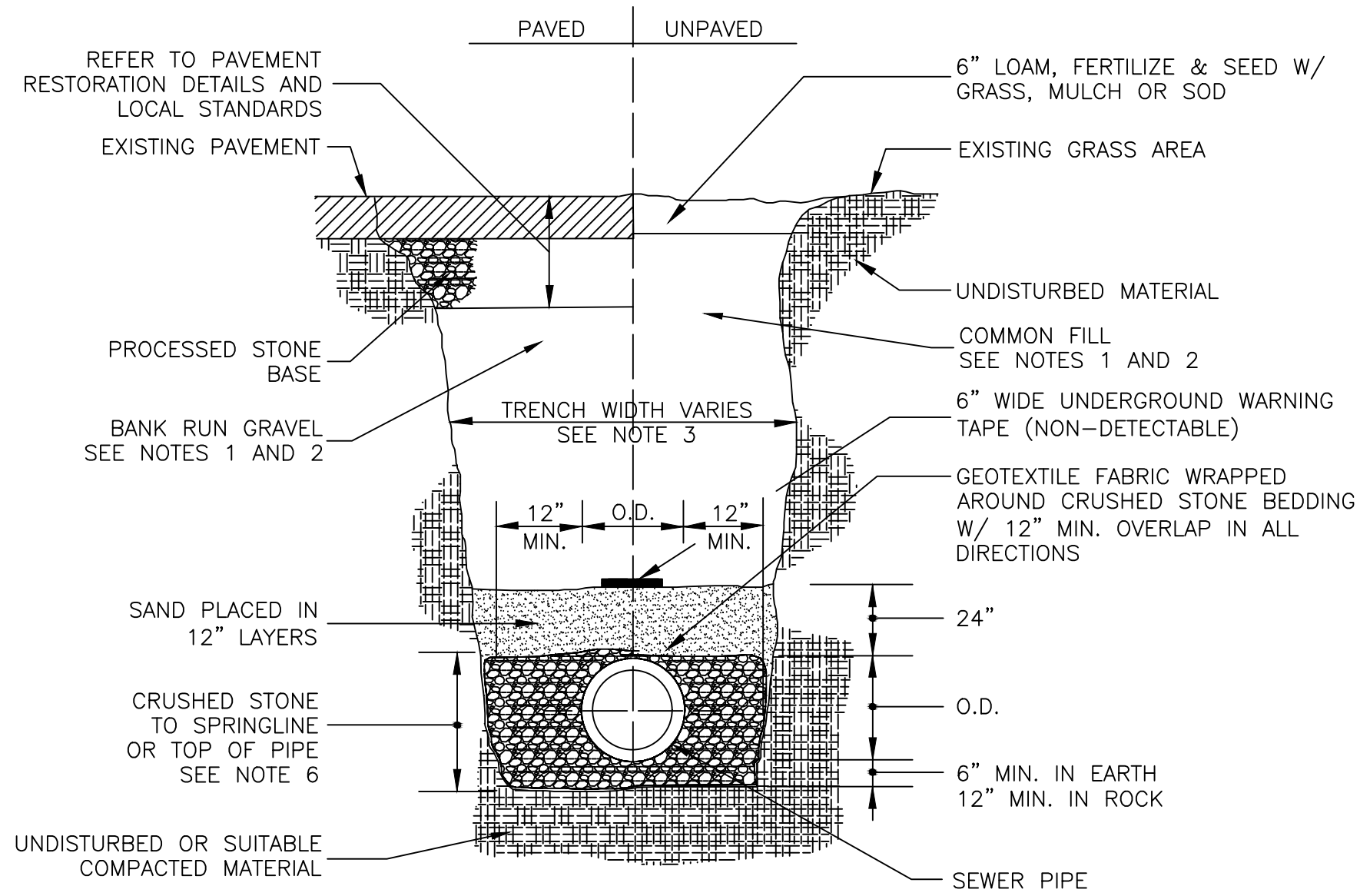
ORCHARD HEIGHTS DEVELOPERS LLC
380 TUNXIS ROAD
WEST HARTFORD, CONNECTICUT

STORMWATER DETAILS



- DETAIL OF DEPRESSED GUTTER STRIP FOR TYPE "C" CATCH BASIN

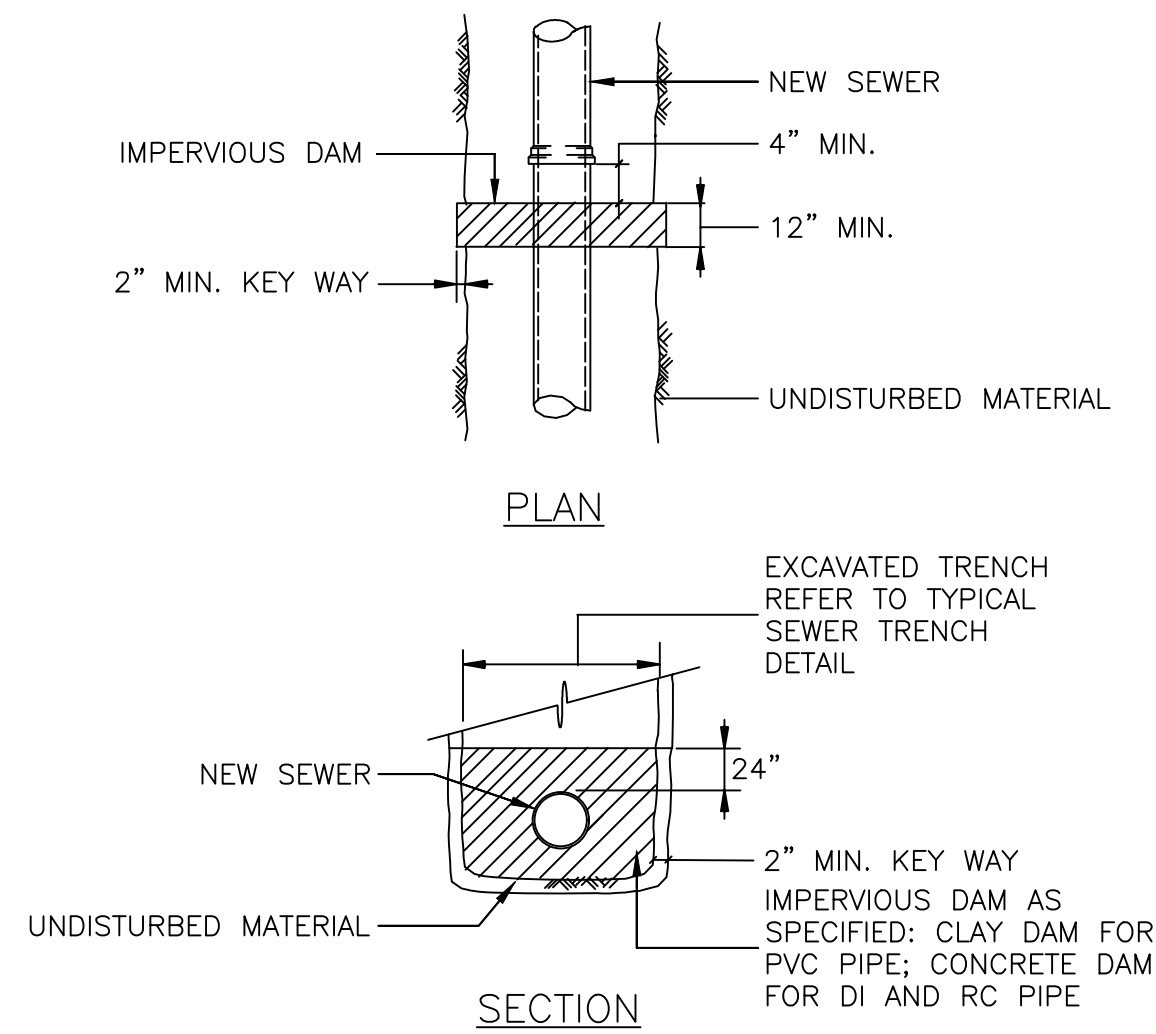




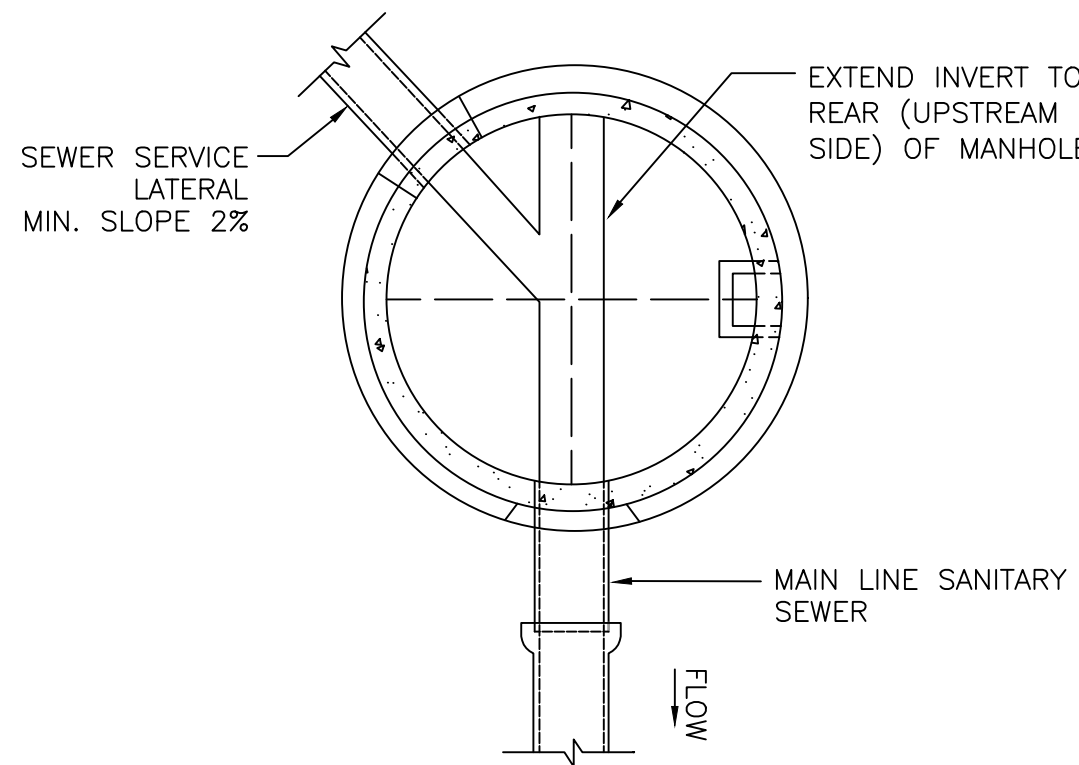
SEWER TRENCH

NOTES:

1. ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED.
2. BACKFILL MATERIAL SHALL BE APPROVED BANK RUN GRAVEL IN PAVED AREAS (INCLUDING DRIVEWAYS AND SIDEWALKS) OR COMMON FILL IN UNPAVED AREAS.
3. TRENCH WIDTH VARIES BASED ON PIPE SIZE AND DEPTH.
4. TRENCHES LOCATED IN THE ROAD SHOULDER SHALL BE TREATED THE SAME AS TRENCHES IN THE PAVED ROADWAY EXCEPT FOR PAVEMENT AND SURFACE RESTORATION WORK.
5. PROVIDE IMPERVIOUS TRENCH DAM(S) IN STONE BEDDING AS DIRECTED BY THE ENGINEER. SEE PIPE TRENCH DAM DETAIL.
6. CRUSHED STONE SHALL BE INSTALLED TO TOP OF PIPE FOR PVC AND DI PIPE AND TO SPRINGLINE FOR RC PIPE.



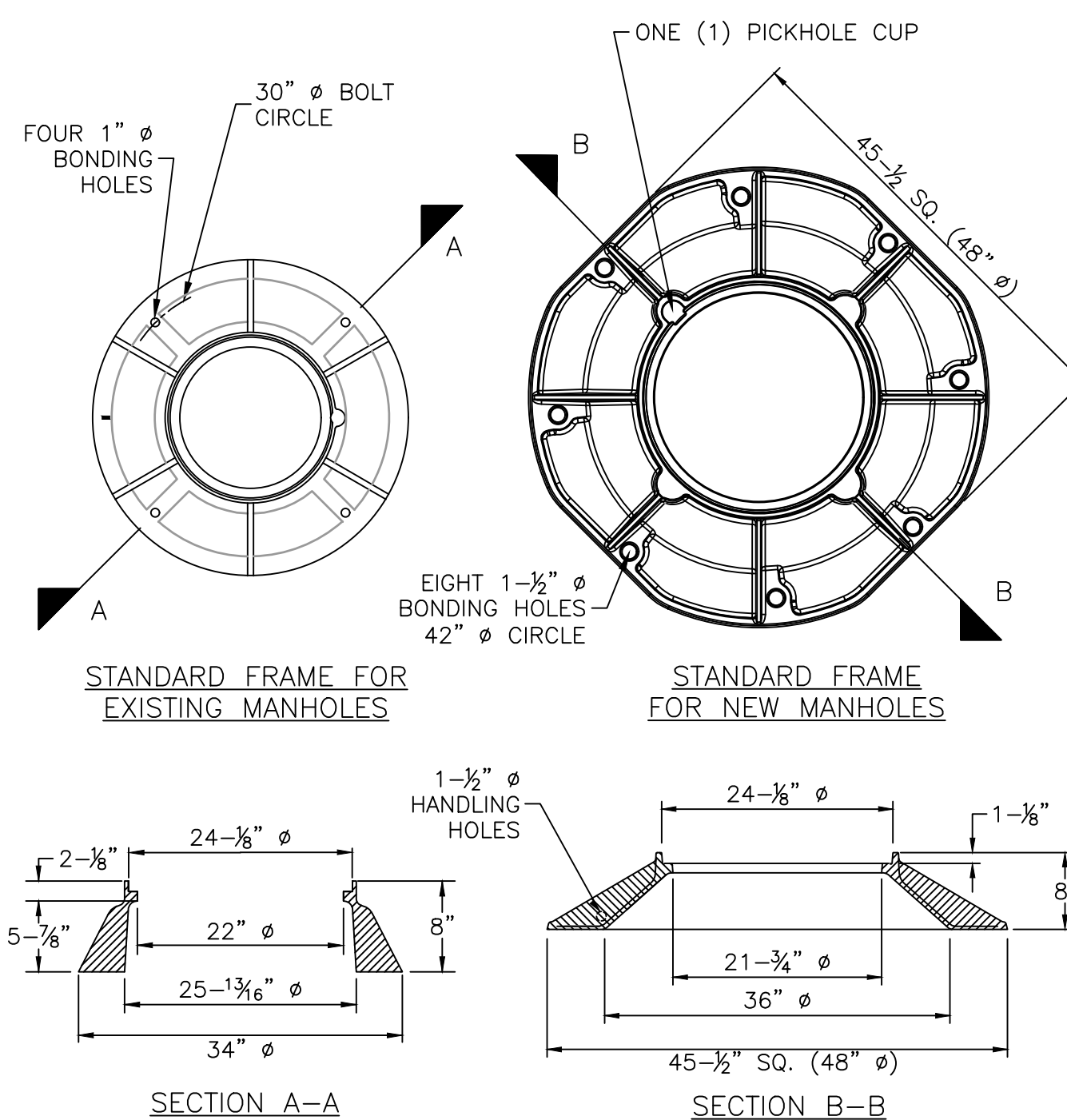
PIPE TRENCH DAM



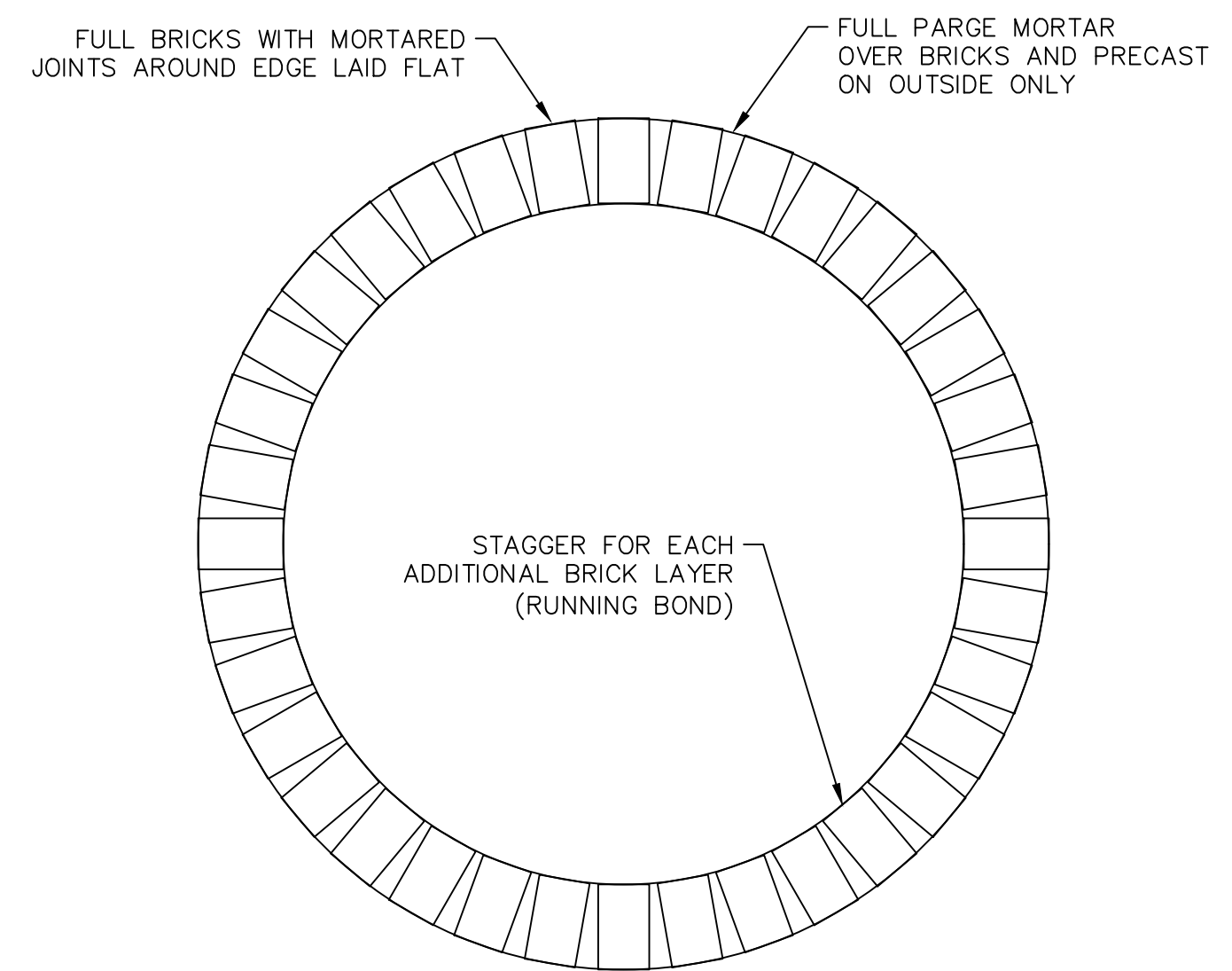
NOTE:

1. CONNECTION OF SEWER SERVICE LATERAL TO MANHOLE SHALL BE MADE WITH AN ELASTOMERIC TYPE OF SEAL.

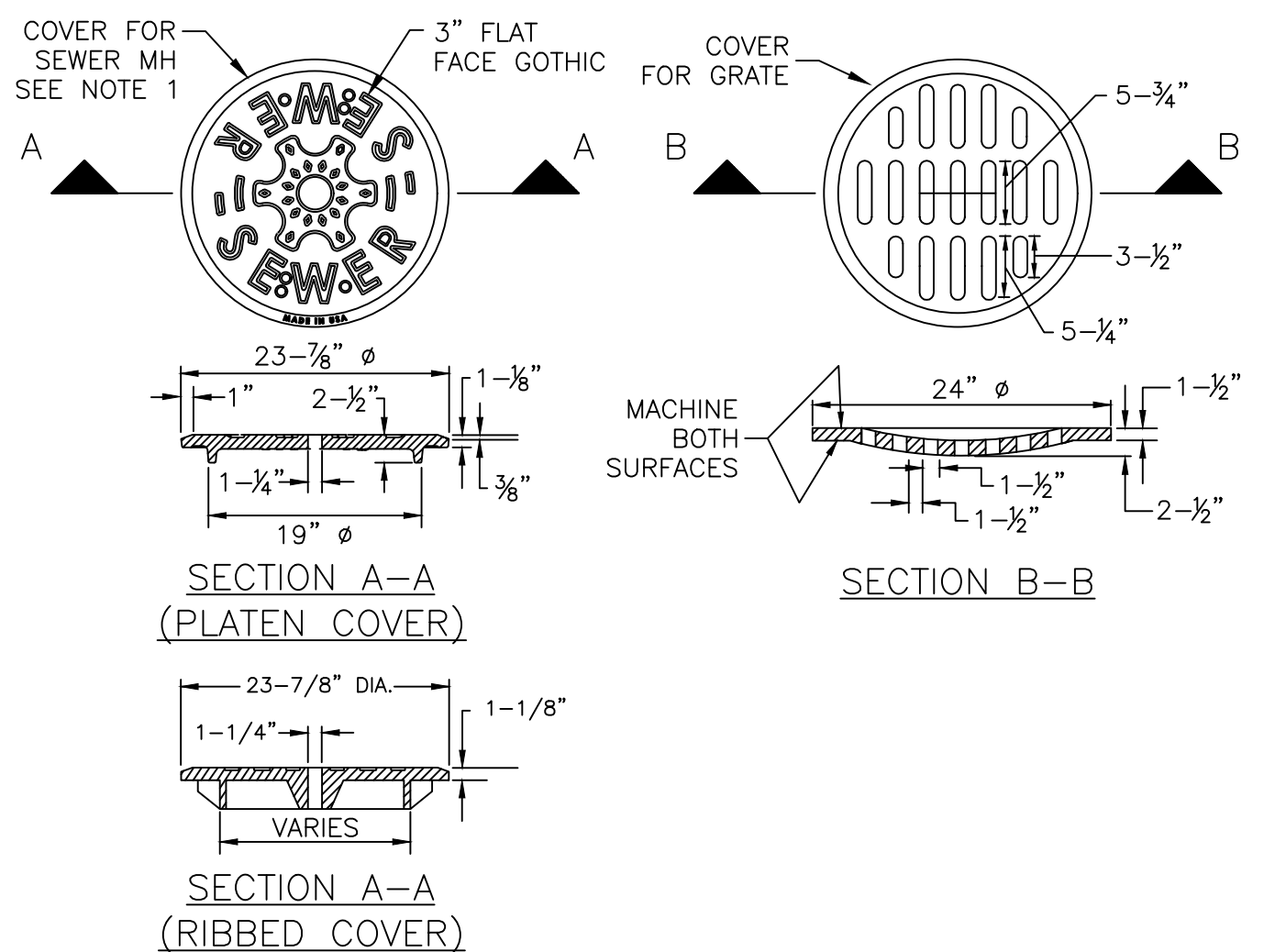
END MANHOLE



STANDARD MANHOLE FRAMES



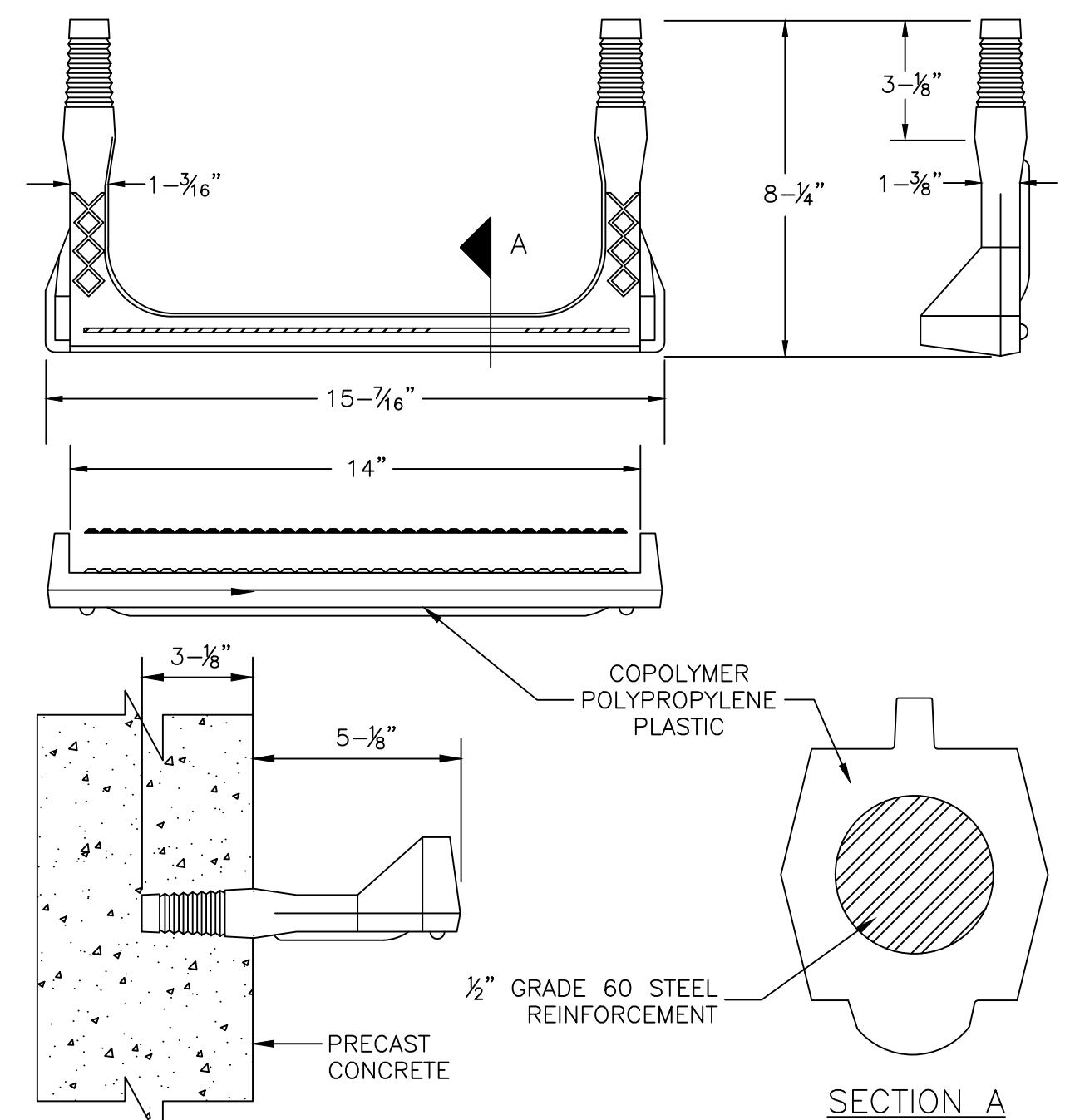
BRICK LEVELING COURSE FOR NEW MANHOLES



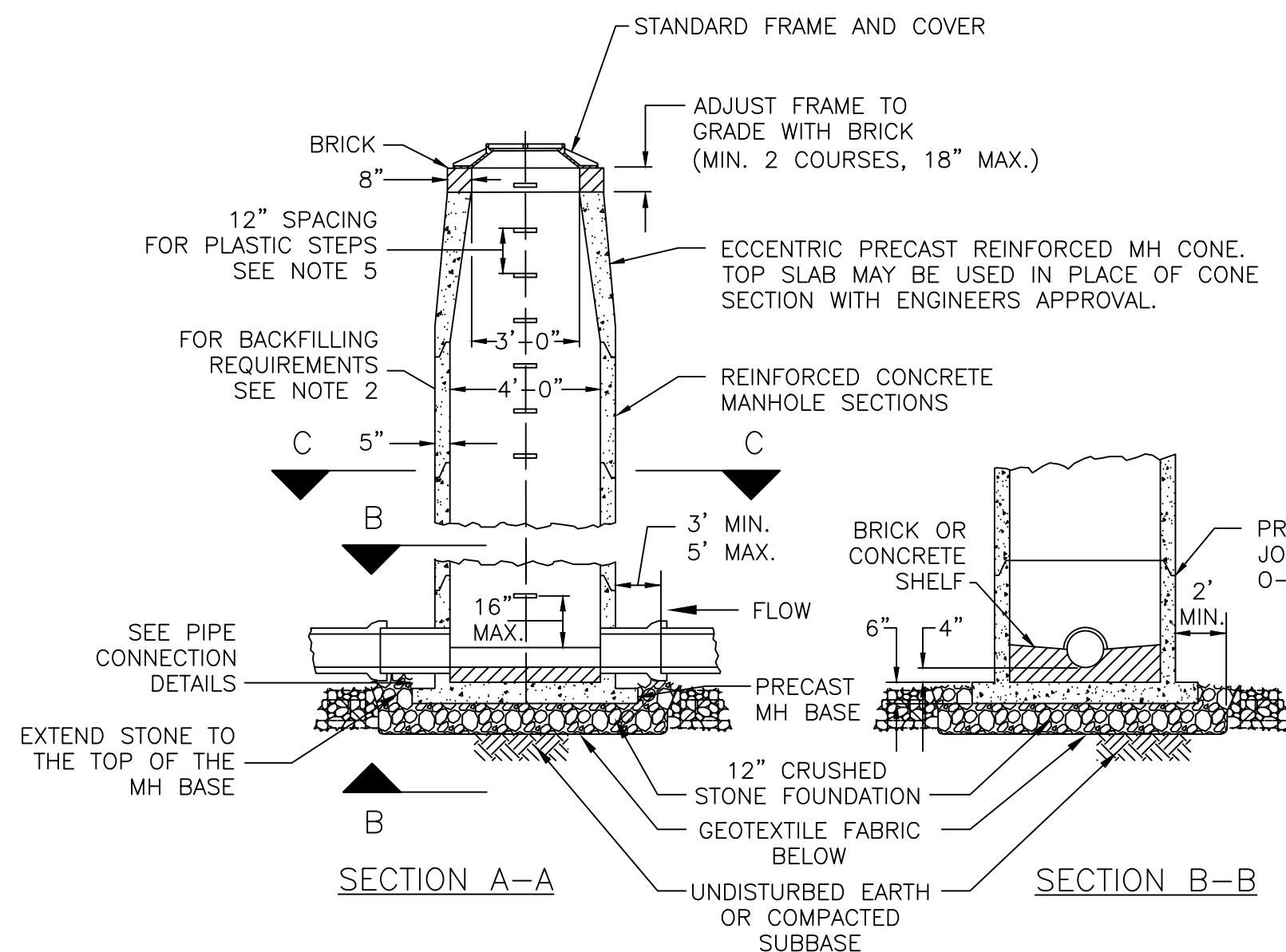
NOTES:

1. MANHOLES COVERS MAY BE DESIGN WITH OR WITHOUT RIBS. THE TOP SURFACE OF THE MANHOLE COVER SHALL BE FLAT. THE BOTTOM SURFACE MAY OR MAY NOT BE FLAT.
2. PROVIDE ALTERNATIVE INSCRIPTION 'STORM DRAIN' WHEN SPECIFIED.
3. THE LOWER SURFACE OF THE COVER AND THE CORRESPONDING UPPER SURFACE OF THE FRAME SHALL BE MACHINE FINISHED TO PROVIDE A SMOOTH FLAT CONTACT OR FIT WITHOUT ANY TENDENCY FOR THE COVER OR GRATE TO ROCK OR RATTLE. THE GAP BETWEEN THE COVER/GRATE AND FRAME SHALL BE NO MORE THAN $\frac{1}{8}$ " ALL AROUND.

STANDARD MANHOLE COVERS



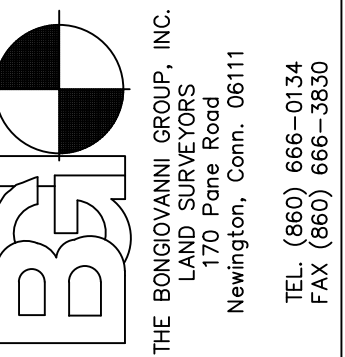
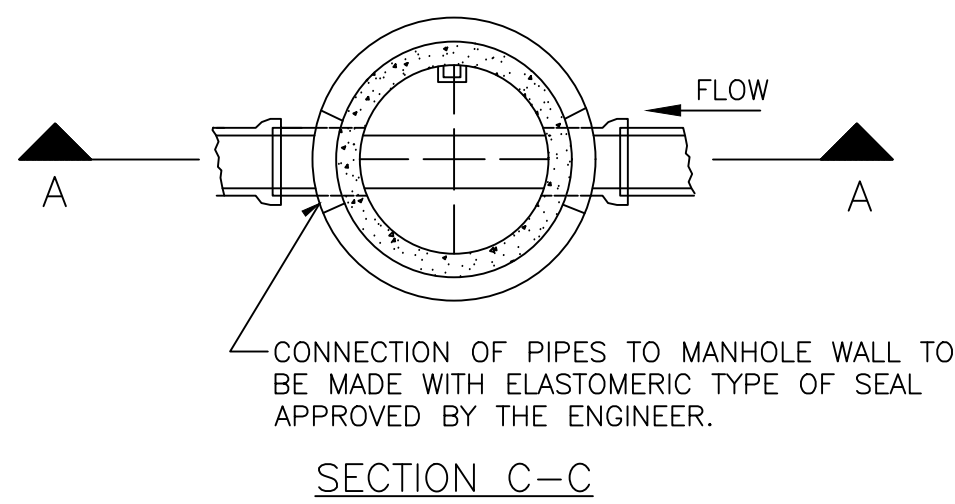
PLASTIC STEP FOR PRECAST CONCRETE MANHOLE



TYPE II PRECAST CONCRETE MANHOLE

NOTES:

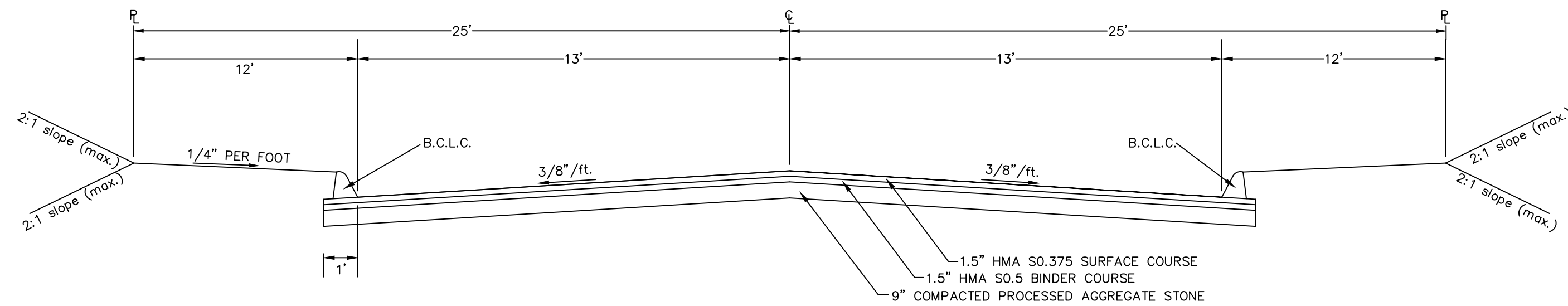
1. MAXIMUM PIPE SIZE TO BE INSTALLED IN 48" MANHOLE BASE SHALL BE 18".
2. REFER TO SEWER TRENCH DETAIL FOR BACKFILLING AND COMPACTION REQUIREMENTS AROUND SEWER MANHOLES.
3. INVERT THROUGH THE MANHOLE SHALL HAVE A UNIFORM GRADE OF MINIMUM 0.10 FEET BETWEEN THE INVERTS OF THE INLET AND OUTLET PIPES. INVERTS SHALL BE FIELD FORMED AND NOT FORMED IN SHOP/YARD.
4. MAXIMUM DIFFERENCE IN ELEVATION BETWEEN THE INVERT OF THE TRIBUTARY INLET AND THE MANHOLE INVERT SHALL BE 18 INCHES. ELEVATION DIFFERENCES GREATER THAN 18 INCHES WILL REQUIRE A DROP CONNECTION.
5. DISTANCE FROM TOP OF MANHOLE COVER TO FIRST PLASTIC STEP SHALL BE BETWEEN 12" AND 16".



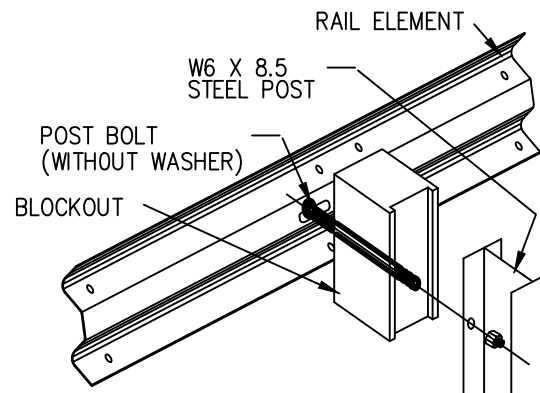
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RESURVEY
PREPARED FOR
ORCHARD HEIGHTS DEVELOPERS LLC
380 TUNXIS ROAD
WEST HARTFORD, CONNECTICUT

SANITARY
SEWER
DETAILS

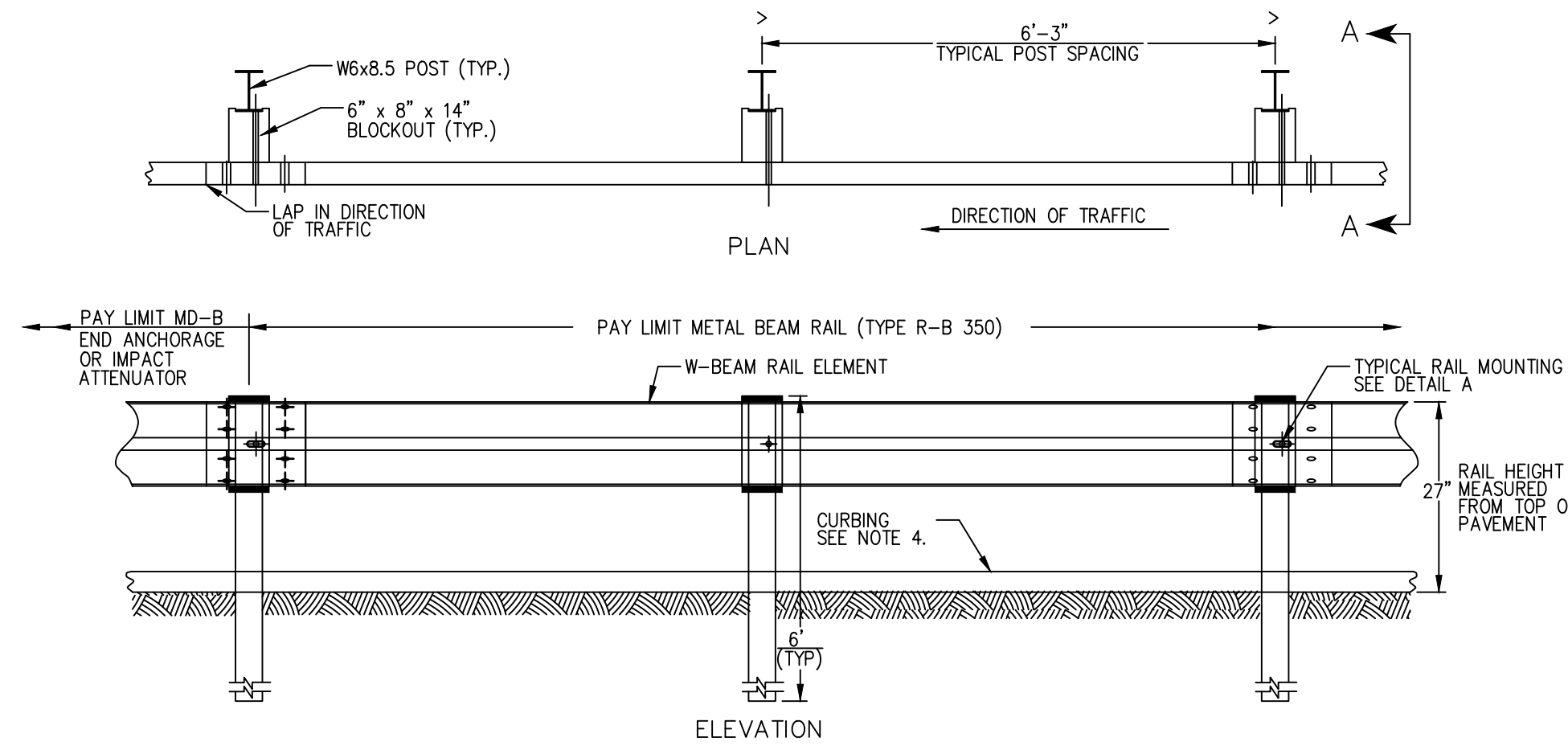


PUBLIC ROAD CROSS SECTION
NOT TO SCALE

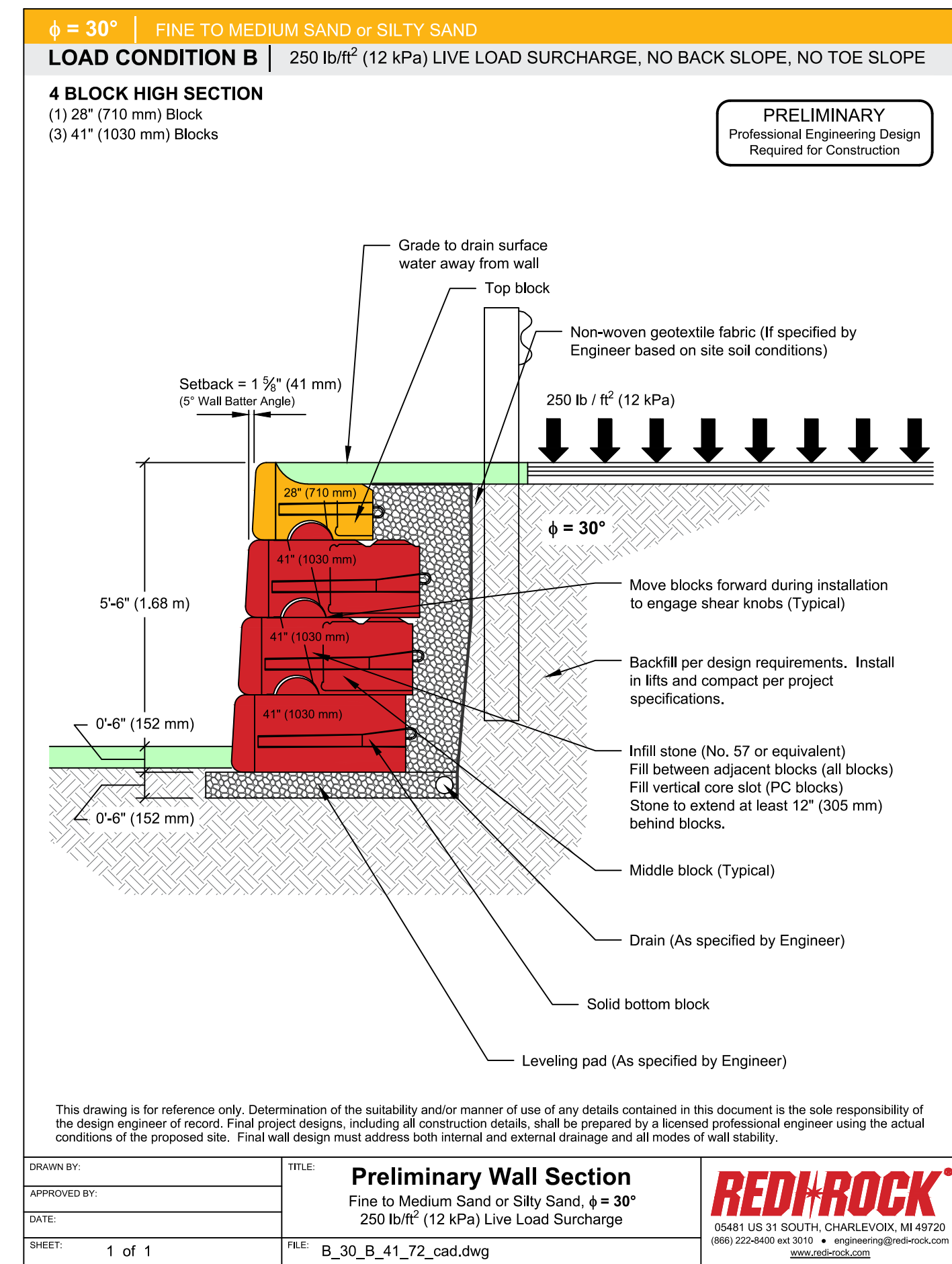


DETAIL A
RAIL MOUNTING

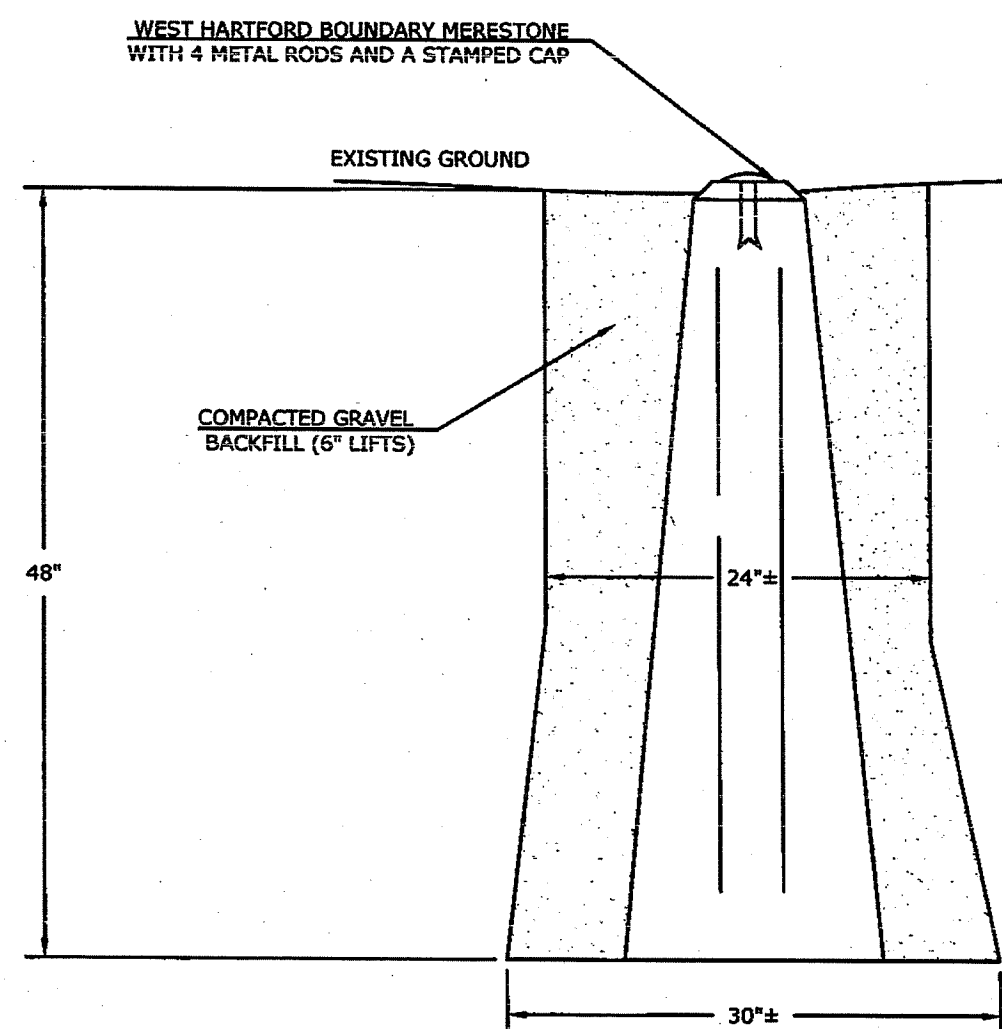
- GENERAL NOTES:**
1. ALL POSTS, BEAMS AND FASTENERS TO BE WEATHERING STEEL.
 2. SEE MISCELLANEOUS CONNECTICUT DETAIL FOR METAL BEAM RAIL HARDWARE ELEMENTS.
 3. MAXIMUM DESIGN DEFLECTION FOR R-B 350 AND MD-B 350 GUIDERAIL AT THE STANDARD POST SPACING OF 6'-3\"/>



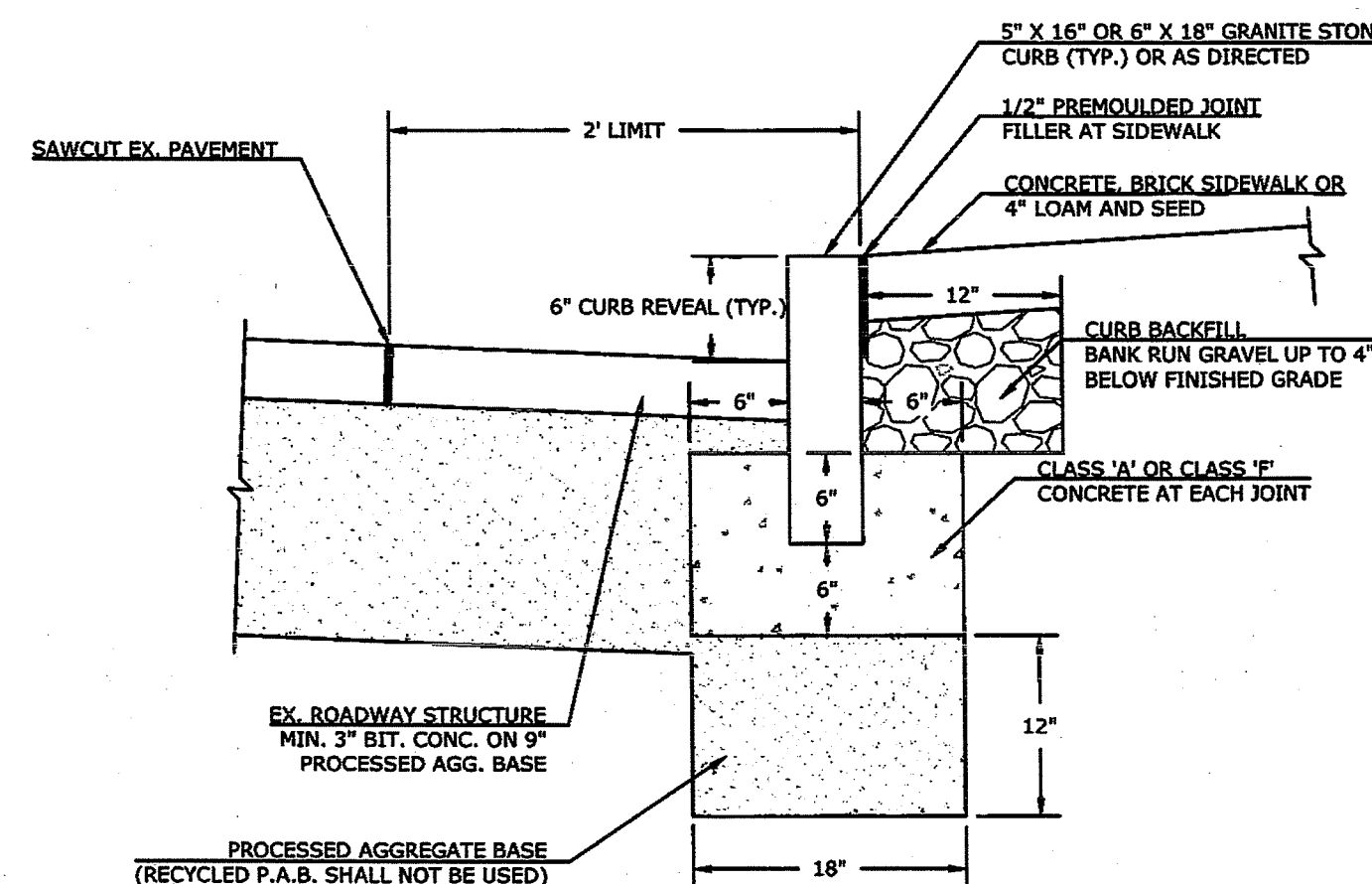
METAL BEAM RAIL DETAIL (TYPE R-B 350)
N.T.S.



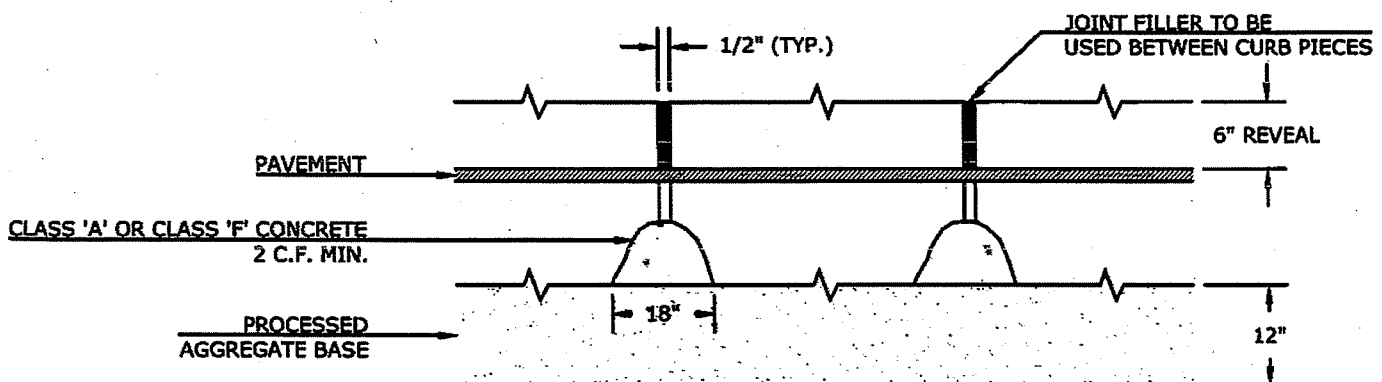
DRAWN BY: APPROVED BY: DATE: SHEET: 1 of 1	TITLE: Preliminary Wall Section Fine to Medium Sand or Silty Sand, $\phi = 30^\circ$ 250 lb/ft ² (12 kPa) Live Load Surcharge	REDI-ROCK 10481 US 31 SOUTH, CHARLEVILLE, MA 01820 (866) 226-8600 ext. 301 • engineering@redi-rock.com www.redi-rock.com
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MERESTONE DETAIL
NOT TO SCALE

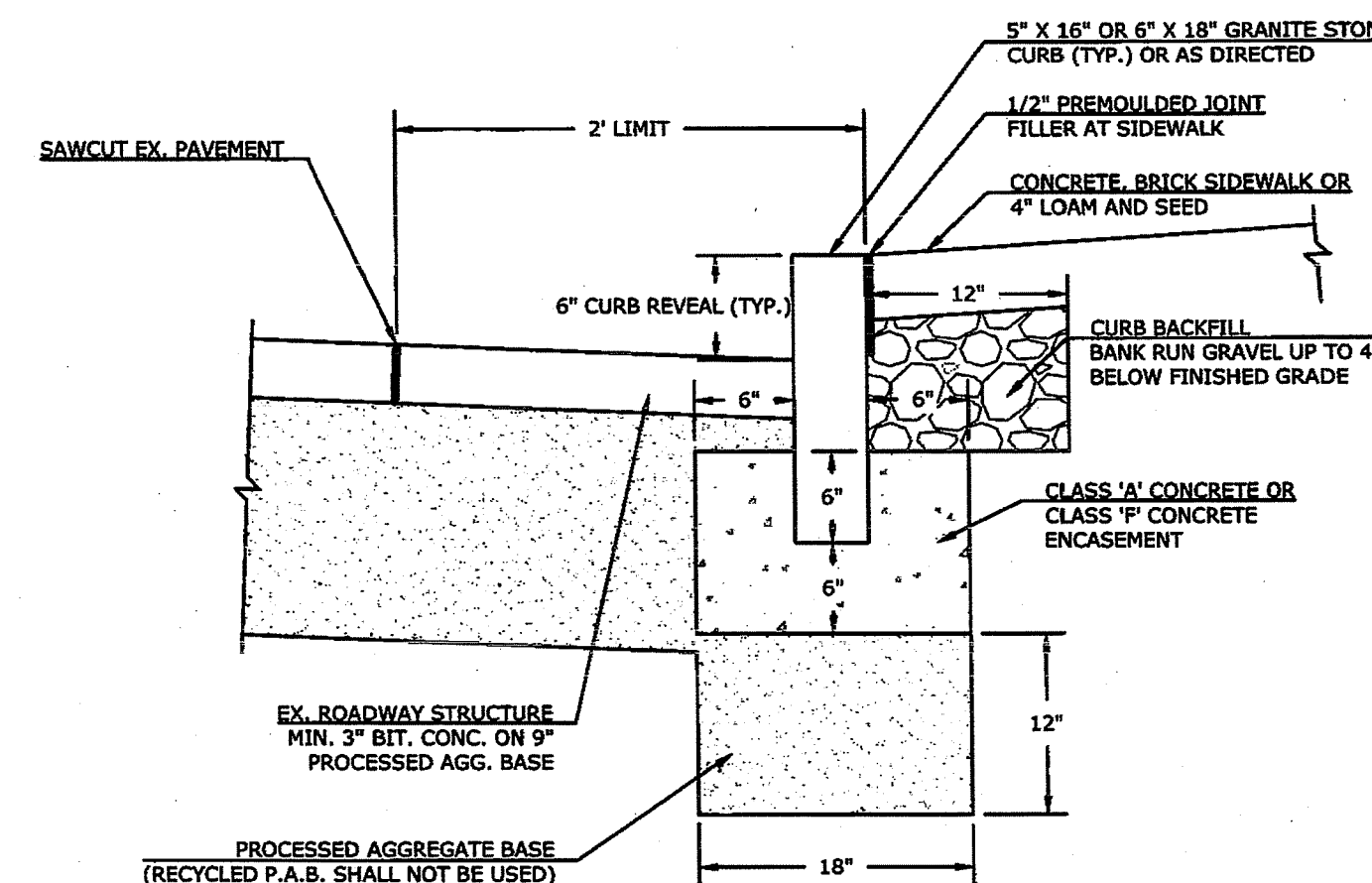


TYPICAL STRAIGHT GRANITE CURB CROSS SECTION

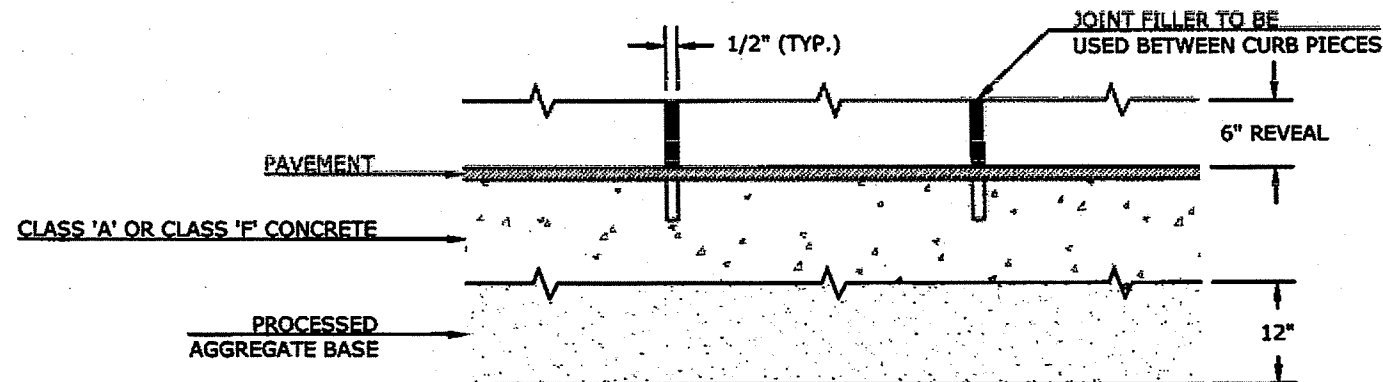


TYPICAL STRAIGHT GRANITE CURB ELEVATION VIEW

STRAIGHT GRANITE CURB DETAIL
NOT TO SCALE

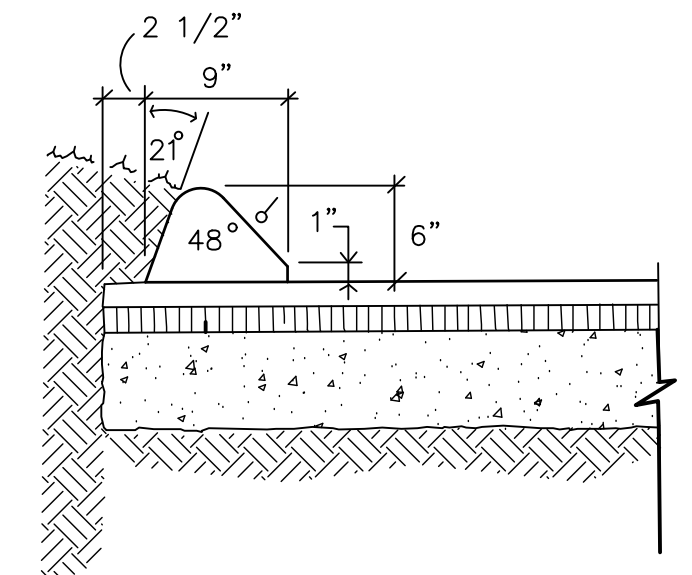


TYPICAL CURVED GRANITE CURB CROSS SECTION

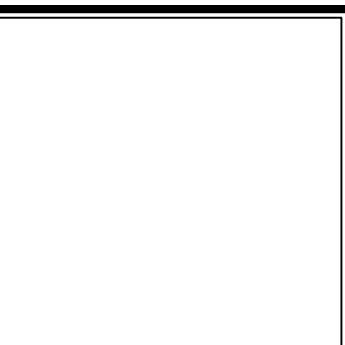


TYPICAL CURVED GRANITE CURB ELEVATION VIEW

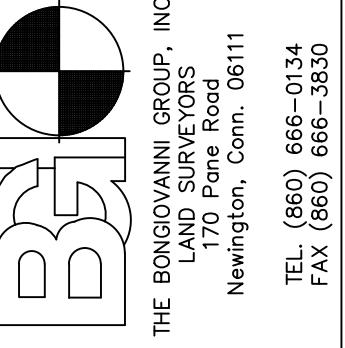
CURVED GRANITE CURB DETAIL
NOT TO SCALE



BITUMINOUS CONCRETE LIP CURBING
NOT TO SCALE



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273 Dividend Road, Rocky Hill, CT 06067
860.313.1473
www.westonsampson.com

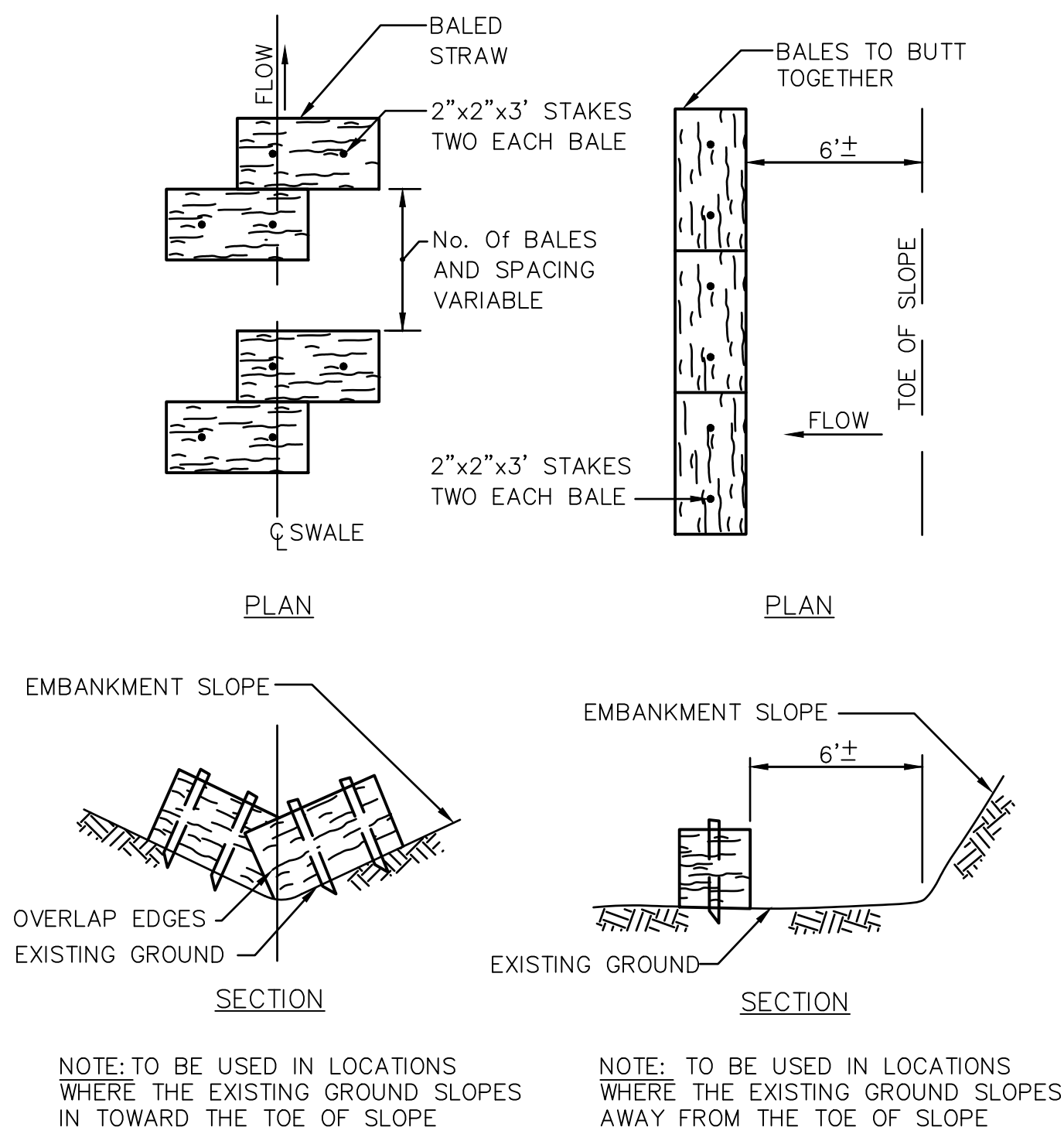


B&B ENGINEERING, INC.
THE BONGIOVANNI GROUP, INC.
LAND SURVEYORS
170 Paine Road
Newington, Conn. 06111
TEL: (860) 666-0134
FAX: (860) 666-3830

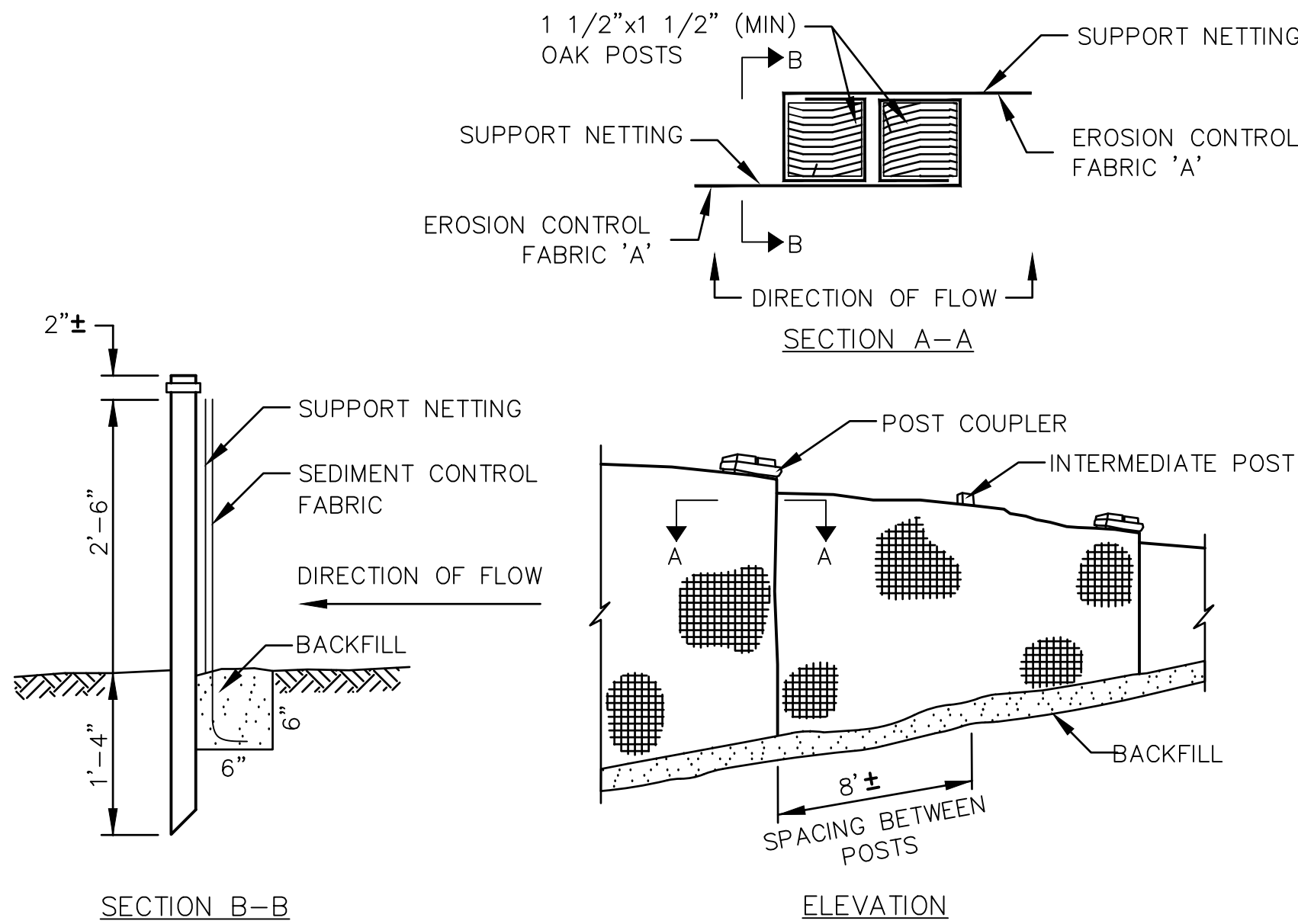
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RESURVEY
PREPARED FOR
ORCHARD HEIGHTS DEVELOPERS LLC
380 TUNXIS ROAD
WEST HARTFORD, CONNECTICUT

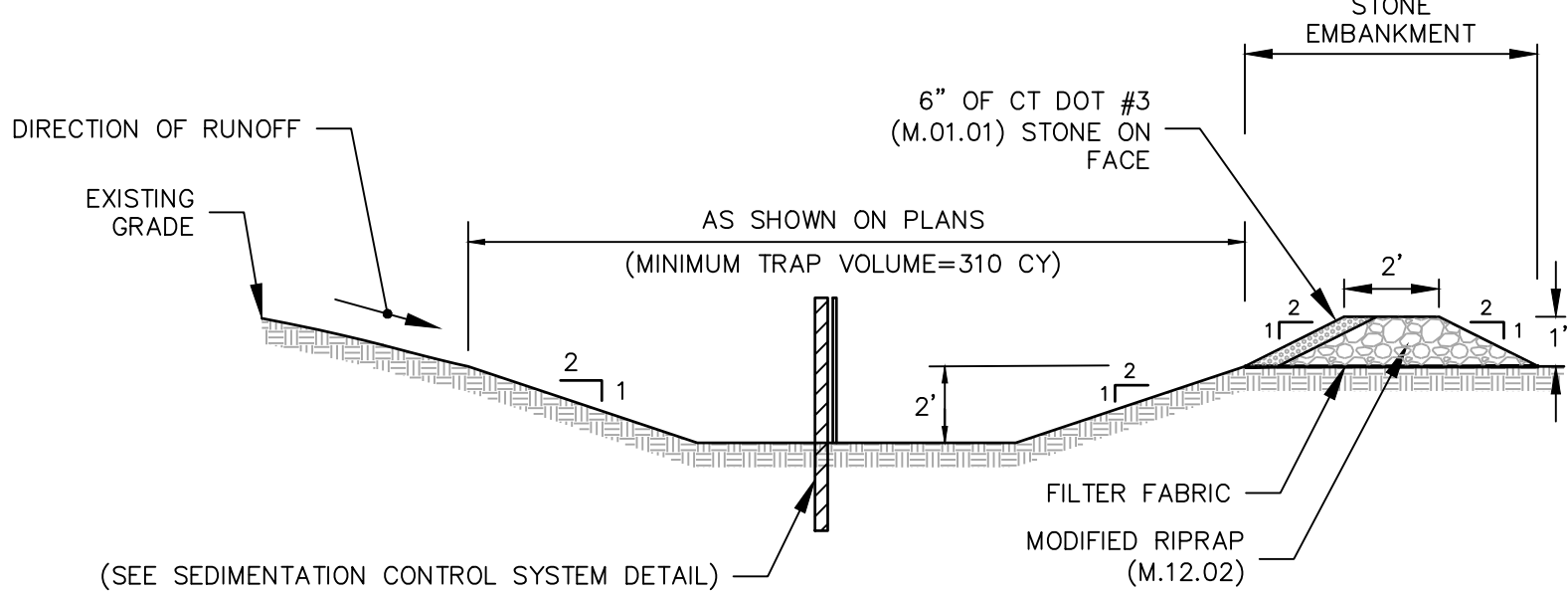
**SITE
DETAILS**



STRAW BALE DETAIL
N.T.S.

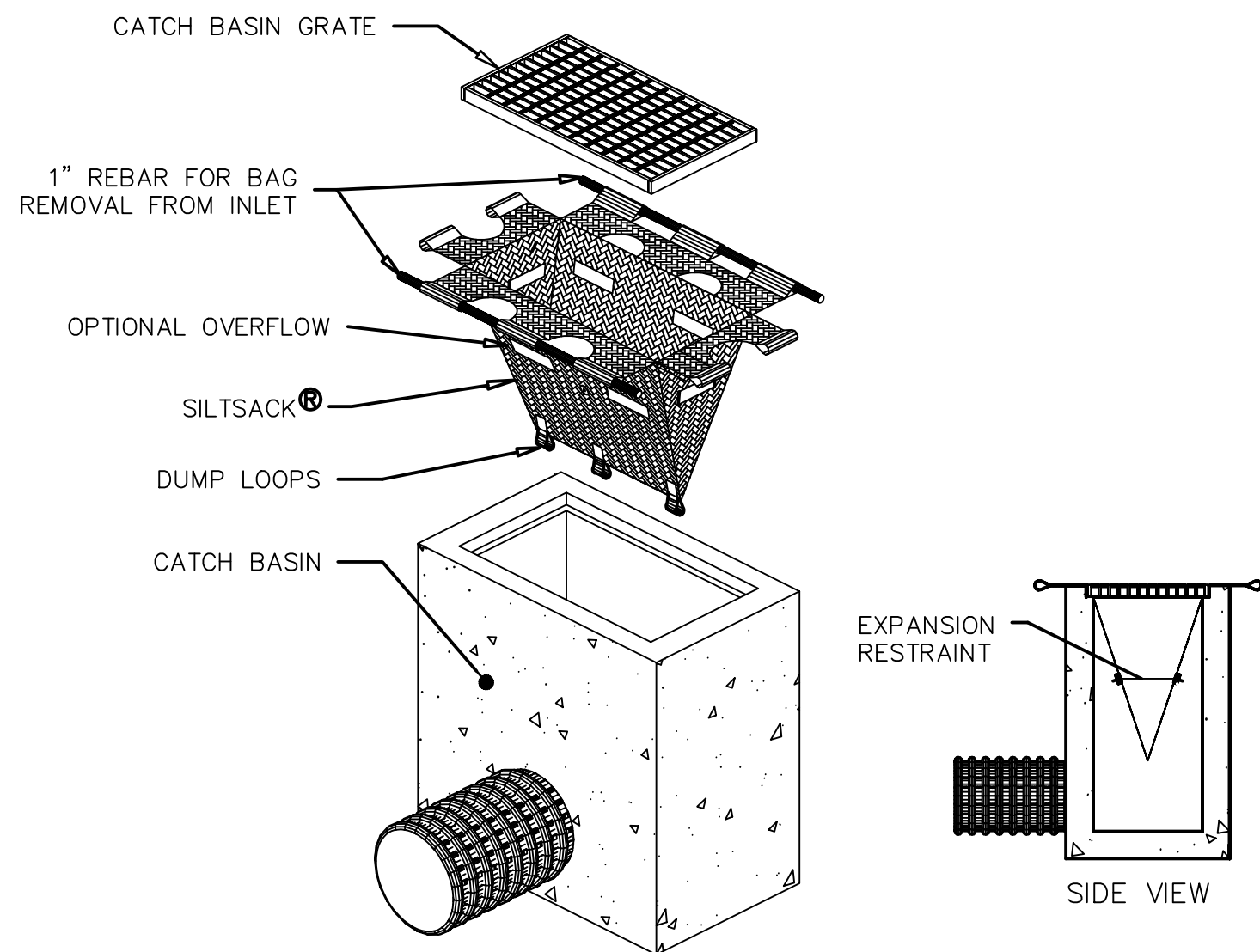


SILT FENCE DETAIL
N.T.S.

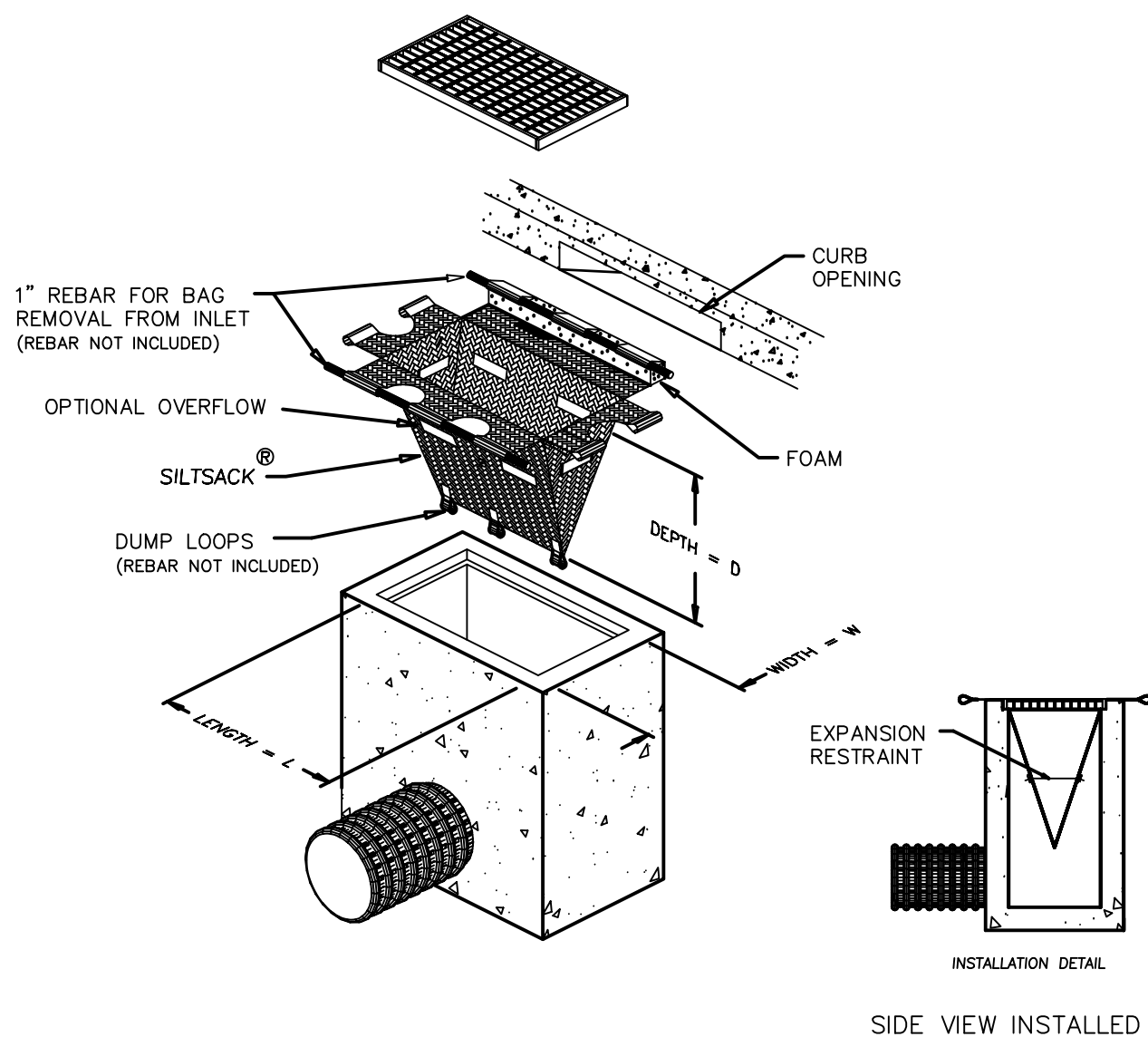


- NOTE:
1. THE CONTRACTOR SHALL ENLARGE TRAP, AT NO ADDITIONAL COST TO THE OWNER, AS REQUIRED TO ALLOW FOR PROPER FUNCTION OF THE BASIN
 2. ALTERNATE SEDIMENTATION TRAPS MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER.
 3. TRAPS SHALL BE INSPECTED AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF ANY STORM OF 0.5 IN OR GREATER.
 4. SEDIMENT EXCEEDING 1/2 THE DEPTH BELOW THE STONE EMBANKMENTS SHALL BE REMOVED.

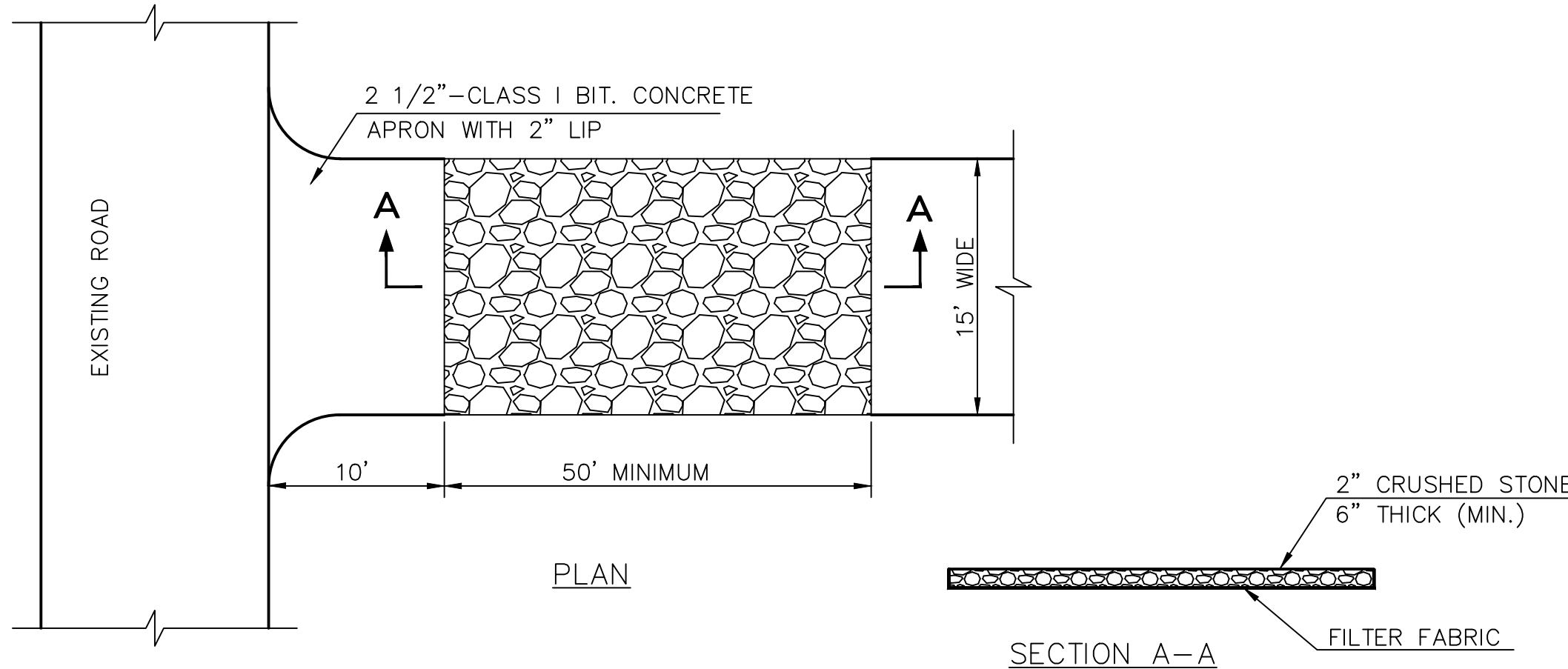
TYPICAL SEDIMENTATION TRAP DETAIL
N.T.S.



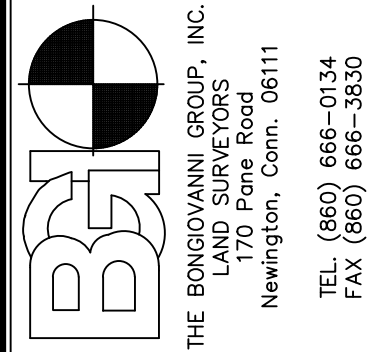
CATCH BASIN INLET PROTECTION
N.T.S.



CATCH BASIN INLET PROTECTION (AT TYPE C CATCH BASIN)
N.T.S.



CONSTRUCTION ENTRANCE
N.T.S.



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RESURVEY
PREPARED FOR
ORCHARD HEIGHTS DEVELOPERS LLC
380 TUNXIS ROAD
WEST HARTFORD, CONNECTICUT

EROSION
&
SEDIMENT
CONTROL
DETAILS

EROSION CONTROL NOTES

PROJECT DESCRIPTION

A 6 LOT RESIDENTIAL SUBDIVISION IS PROPOSED ON A 2.62± ACRE PARCEL OF LAND LOCATED AT 380 TUNXIS ROAD IN WEST HARTFORD, CONNECTICUT. IN ADDITION TO THE SIX BUILDINGS, THE PROJECT SHALL INCLUDE CONSTRUCTION OF APPROXIMATELY 380' OF ROADWAY, DRIVEWAYS, CURBING, STORMWATER MANAGEMENT SYSTEM, UTILITIES, RETAINING WALLS, LANDSCAPING, AND EROSION & SEDIMENTATION CONTROL MEASURES.

WATER EROSION CONTROL MEASURES

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THIS EROSION AND SEDIMENT CONTROL PLAN AND THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL (2002). THE CONTRACTOR FOR THE PROJECT SHALL MAINTAIN A COPY OF THIS EROSION AND SEDIMENT CONTROL PLAN AND THE CONNECTICUT GUIDELINES ON-SITE DURING CONSTRUCTION ACTIVITIES.

EROSION AND SEDIMENT CONTROL MEASURES SHALL CONSIST OF STRAW BALES, SILT SACK (INLET PROTECTION), WOVEN FABRIC (SILT FENCE), CONSTRUCTION ENTRANCE, TEMPORARY SEDIMENT TRAP, TEMPORARY SWALES (IF REQUIRED), AND EROSION CONTROL BLANKETS.

ALL MATERIAL SHALL BE NEW AND FREE FROM DEFECTS THAT WOULD COMPROMISE THE EFFECTIVENESS OF THE CONTROL MEASURES. AFTER COMPLETION, ALL MATERIAL SHALL BE DISPOSED OF PROPERLY. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES CAN BE SEEN ON THE EROSION AND SEDIMENT CONTROL PLANS. NOTE ALL WATER CONTROL MEASURES SHALL BE LOCATED DOWN GRADIENT FROM DISTURBED AREAS. IF TOPSOIL IS TO BE STORED IN AN AREA NOT SHOWN ON THE SITE PLAN, DUE TO UNFORESEEN EVENTS, PRIOR TO STORING, THE DOWN-GRADIENT PERIMETER OF THE STORAGE AREA SHALL BE PROPERLY PROTECTED TO THE SPECIFICATIONS DETAILED ON THIS PLAN.

WIND EROSION CONTROL MEASURES

DURING DRY WEATHER CONDITIONS, DISTURBED AREAS SHALL BE PROTECTED AGAINST WIND EROSION. DUSTY AREAS SHALL BE SPRAYED WITH WATER TO PREVENT WIND-BORNE PARTICLES.

SEEDING

ALL DISTURBED AREAS SHALL BE RESTORED – REFER TO LANDSCAPE PLANS FOR APPLICABLE SEED MIX AND SOIL AMENDMENTS.

DEWATERING

IN THE EVENT DEWATERING IS REQUIRED, THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN A DEWATERING SETTLING BASIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EVALUATING THE REQUIRED DEWATERING RATES AND SIZING THE BASIN AS OUTLINED IN THE CONNECTICUT SOIL AND EROSION CONTROL GUIDELINES. THE DEWATERING BASINS SHALL BE LOCATED ON SITE AWAY AREAS WHERE SURFACE WATER IS DIRECTED AWAY FROM THE BASIN. DISCHARGE FROM THE BASIN SHALL BE DIRECTED AWAY FROM WETLAND AREAS AND SHALL NOT CREATE EROSION.

MAINTENANCE OF EROSION AND SEDIMENT CONTROLS

MAINTENANCE OF EROSION AND CONTROL SHALL BE COMPLETED IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL (2002). THE CONTRACTOR SHALL MAINTAIN A COPY OF THE GUIDELINES ON-SITE AND REFER TO THE APPROPRIATE MAINTENANCE PROCEDURES THAT SHALL BE UTILIZED DURING THE CONSTRUCTION. A SUMMARY OF THE MAINTENANCE REQUIREMENTS FOR THE PROJECT IS SUMMARIZED BELOW.

DURING CONSTRUCTION, ALL EROSION AND SEDIMENT STRUCTURES SHALL BE MAINTAINED IN PROPER WORKING ORDER. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL ONLY TAKE PLACE WHERE IMMEDIATELY REQUIRED TO FURTHER CONSTRUCTION. IT IS DESIRABLE FROM AN EROSION PREVENTION CONCERN TO MINIMIZE DISTURBED AREAS. FINAL GRADING AND SEEDING SHALL TAKE PLACE AS SOON AS PRACTICAL.

A RAIN GAUGE SHALL BE PLACED AT THE PROJECT IN A WORKABLE LOCATION AND MONITORED DURING RAINFALL PERIODS UNTIL ALL DISTURBED AREAS ARE STABILIZED. IN THE EVENT THERE IS A RAINFALL GREATER THAN 1/2" IN A 12 HOUR PERIOD, ALL EROSION CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS REQUIRED WITHIN 24-HOURS OF THAT RAIN EVENT. IF NO RAIN GAUGE IS USED, ALL EROSION CONTROL MEASURES SHALL BE CHECKED AFTER ALL RAINFALL EVENTS.

CONSTRUCTION ACCESS ROAD AND ENTRANCE.

CONSTRUCTION ACCESS ROAD SHALL BE INSPECTED AT THE COMPLETION OF EACH WORKING DAY. THE ACCESS ROAD AND ENTRANCE SHALL BE REPAIRED AND/OR TOP-DRESSED WITH ADDITIONAL AGGREGATE TO ELIMINATE RUTS AND PROVIDE A STABLE SURFACE FOR ENTERING AND EXITING THE PROJECT SITE. REMOVE ALL SEDIMENT SPILLED ON THE TRACKING PAD IMMEDIATELY TO AVOID TRACKING MATERIALS INTO EXISTING STREETS. ROADS ADJACENT TO THE CONSTRUCTION SHALL BE LEFT CLEAN AT THE END OF EACH WORKING DAY.

SILT FENCE AND STRAW BALES:

THE MEASURES SHALL BE INSPECTED A MINIMUM OF ONCE PER WEEK, OR BASED ON RAINFALL AT THE PROJECT SITE. REPAIRS AND MAINTENANCE SHALL BE COMPLETED AS NEEDED TO MAINTAIN THESE MEASURES IN PROPER WORKING ORDER. ADDITIONAL SILT FENCE AND STRAW BALES SHALL BE ADDED AS NEEDED DURING THE PROJECT TO REPLACE FAILED SYSTEMS OR LIMIT OTHER AREAS OF EROSION ON THE SITE.

TEMPORARY BERMS/SWALES (AS NEEDED):

THE SWALE SHALL BE INSPECTED A MINIMUM OF ONCE PER WEEK, OR BASED ON RAINFALL AT THE PROJECT SITE. REPAIRS AND MAINTENANCE SHALL BE COMPLETED AS NEEDED TO MAINTAIN THE FACILITIES IN PROPER WORKING ORDER. THE SWALE SHALL BE CLEANED AS REQUIRED, AND STONE CHECK DAMS SHALL BE PROVIDED IF EROSION OF SWALES IS OBSERVED.

TEMPORARY SEDIMENTATION TRAP:

THE SEDIMENTATION TRAP SHALL BE INSPECTED A MINIMUM OF ONCE PER WEEK, OR BASED ON RAINFALL AT THE PROJECT SITE. REPAIRS AND MAINTENANCE SHALL BE COMPLETED AS NEEDED TO MAINTAIN THE FACILITY IN PROPER WORKING ORDER. THE SEDIMENTATION TRAP SHALL BE CLEANED WITH THE SEDIMENT ACCUMULATED EXCEEDS ONE HALF OF THE STORAGE CAPACITY OR WHEN THE DEPTH OF THE AVAILABLE WATER IS REDUCED TO LESS THAN 18-INCHES. THE CONTRACTOR SHALL INSTALL A MARKER STAKE IN 2 LOCATIONS WITHIN THE SEDIMENTATION TRAP FOR THE PURPOSE OF TRACKING SEDIMENT LEVELS WITHIN THE TRAP. DURING REMOVAL OF THE SEDIMENT THE CONTRACTOR SHALL FOLLOW ALL PROCEDURES OUTLINED IN THE CONNECTICUT GUIDELINES FOR SOIL AND EROSION CONTROL (2002). EXCAVATED SEDIMENT SHALL BE STAGED AND SURROUNDED WITH STRAW BALES IN A MANNER SIMILAR TO STAGING FOR STOCKPILES.

A CHECK LIST (PROVIDED BY THE ENGINEER) SHALL BE FILLED OUT BY THE CONTRACTOR EVERY WEEK OR AFTER EACH RAINFALL EVENT OF 1/2" OR GREATER.

GENERAL NOTES

ALL DISTURBED AREAS SHALL BE KEPT TO A MINIMUM. FINAL GRADING AND RESTORATION SHALL BE ACCOMPLISHED AS SOON AS PRACTICAL.

EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO SITE WORK. IF IT IS NOT POSSIBLE TO DO SO, THE ENGINEER SHALL BE NOTIFIED IN ORDER TO MAINTAIN THE INTEGRITY OF DESIGN.

ALL CONTROL STRUCTURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND REMOVED WHEN STABILIZATION HAS BEEN ATTAINED. IF THE PROPOSED CONTROL MEASURES ARE NOT SATISFACTORY, ADDITIONAL CONTROL MEASURES SHALL BE TAKEN.

ALL RUNOFF FROM THE DISTURBED AREA SHALL BE CONTROLLED AND FILTERED. NON-WOVEN SYNTHETIC FIBER FILTER FABRIC, STRAW BALES AND/OR SILTATION FENCE SHALL BE USED IN THE AREAS SHOWN ON THESE PLANS.

A CT DEEP GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES WILL BE REQUIRED FOR THE PROPOSED PROJECT UNLESS IT MEETS THE CT DEEP CRITERIA AS A LOCALLY APPROVED PROJECT.

THE CONTRACTOR MUST OBTAIN COPIES OF THE ZONING, WETLANDS AND CTDEEP STORMWATER PERMITS PRIOR TO THE START OF WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF SEDIMENT AND EROSION CONTROL MEASURES. THIS RESPONSIBILITY INCLUDES THE ACQUISITION OF MATERIALS, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT STRUCTURES, THE COMMUNICATION AND DETAILED EXPLANATION TO ALL PEOPLE INVOLVED IN THE SITE WORK OF THE REQUIREMENTS AND OBJECTIVE OF THE EROSION AND SEDIMENT CONTROL MEASURES.

TWO (2) WEEKS PRIOR TO THE START OF WORK THE CONTRACTOR SHALL PROVIDE THE NAME AND PHONE NUMBER OF THE INDIVIDUAL RESPONSIBLE FOR IMPLEMENTATION OF THIS PLAN.

IN THE EVENT THE APPLICANT IS NOT OWNER OF THE PROPERTY, THE CURRENT OWNER SHALL HAVE ALL THE RESPONSIBILITIES LISTED IN THIS PARAGRAPH AND SHALL SUBMIT A WORKING PHONE NUMBER FOR CONTACT AT TIME OF APPLICATION FOR PERMITS. ANY CHANGE IN ENGINEER SHALL BE NOTED AT THIS TIME.

THE ENGINEER, WESTON & SAMPSON ENGINEERS, INC. (860-513-1473) #273 DIVIDEND ROAD, ROCKY HILL, CT, 06067 SHALL BE NOTIFIED OF ANY PROPOSED ALTERATION TO THE EROSION AND SEDIMENT CONTROL PLAN, PRIOR TO ALTERING, IN ORDER TO ENSURE THE FEASIBILITY OF THE ADDITION, SUBTRACTION, OR CHANGE IN THE PLAN.

SEQUENCE FOR CONSTRUCTION, APPLICATION OF SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, AND FINAL STABILIZATION OF THE PROJECT SITE

1. CLEARLY DEFINE AND FLAG THE PROPERTY LIMITS OF AND LIMITS OF CONSTRUCTION.
2. HOLD PRE-CONSTRUCTION MEETING (REMEMBER TO CALL BEFORE YOU DIG 1-800-922-4455)
3. HOLD A TREE-CUTTING MEETING.
4. INSTALL PERIMETER EROSION AND SEDIMENTATION CONTROLS IN ACCORDANCE WITH THE EROSION CONTROL PLAN.
5. CUT TREES WITHIN THE GRADING LIMITS AND REMOVE CUT WOOD. CHIP BRUSH AND REMOVE OFFSITE.
6. EXCAVATE ALL STUMPS LOCATED IN THE STRUCTURAL AREAS AND REMOVE TO A DISPOSAL SITE OR STOCKPILE AREA TO BE CHIPPED.
7. STRIP ALL TOPSOIL THAT IS WITHIN THE GRADING LIMITS. STOCKPILE ALL TOPSOIL AS SHOWN ON PLANS AND SECURE WITH EROSION AND SEDIMENT CONTROLS.
8. EXCAVATE AND CONSTRUCT FOUNDATION OF BUILDINGS WITH APPROPRIATE STUBS/OPENINGS FOR UTILITIES. UPON COMPLETION BACKFILL FOUNDATION WALLS.
9. EXCAVATE AND CONSTRUCT RETAINING WALL(S). UPON COMPLETION, BACKFILL WALLS.
10. CUT OR FILL REMAINDER OF SITE TO ESTABLISH THE SUB-GRADE.
11. INSTALL DRAINAGE FACILITIES STARTING AT THE OUTFALL AND PROCEEDING UPGRADE.
12. INSTALL REMAINING UTILITIES.
13. CONNECT UTILITY SERVICE LATERALS TO BUILDINGS.
14. PLACE, GRADE AND COMPACT THE PROCESSED AGGREGATE IN THE PAVEMENT BASE.
15. APPLY STABILIZATION MEASURES (TOPSOIL, SEEDING, ETC.) TO REMAINING DISTURBED AREAS IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL DETAILS.
16. INSPECT AND CLEAN DRAINAGE SYSTEMS AS NEEDED.
17. TOPSOIL AND GRADE WHERE REQUIRED AND WITHIN 2 FEET OF PROPOSED CURBING.
18. INSTALL FIRST COURSE OF BITUMINOUS CONCRETE PAVEMENT.
19. UPON SUBSTANTIAL COMPLETION OF THE BUILDING, COMPLETE THE BALANCE OF SITE WORK AND STABILIZATION OF ALL OTHER DISTURBED AREAS.
20. WHEN ALL OTHER WORK HAS BEEN COMPLETED, REPAIR AND SWEEP ALL PAVED AREAS FOR FINAL COURSE OF PAVING. INSPECT DRAINAGE SYSTEM AND CLEAN AS NEEDED.
21. INSTALL FINAL COURSE OF BITUMINOUS CONCRETE PAVEMENT.
22. INSTALL CURBING AS SHOWN ON PLANS.
23. INSTALL PLANTINGS, FINE GRADE, RAKE, SEED, AND MULCH.
24. AFTER ENTIRE SITE IS STABILIZED IN ACCORDANCE WITH THE APPLICABLE EROSION AND SEDIMENT CONTROL MEASURES, REMOVE TEMPORARY EROSION AND SEDIMENT CONTROLS (E.G. SILT FENCES).

OPERATION AND MAINTENANCE PLAN
380 TUNXIS ROAD, WEST HARTFORD

GENERAL

This section of the plan presents the operation and maintenance plan for the erosion and sediment control measures during construction and for the proposed stormwater management system. It also provides guidelines for when the stormwater system should be cleaned and associated recordkeeping.

EROSION AND SEDIMENT CONTROL MEASURES

The erosion control measures include the following items:

- Straw bales, and Silt Fence
- Permanent Erosion Control Matting
- Temporary Sediment Basin
- Temporary Swales /Berms
- Anti-Tracking Pad
- Vegetative Stabilization
- Temporary Soil Stockpiles
- Dust Control

During construction, the Contractor will be responsible for the operation and maintenance of the erosion and control measures. During this time all erosion and sediment structures shall be maintained in proper working order. Disturbed areas shall be kept to a minimum and shall only take place where immediately required to further construction. It is desirable from an erosion prevention concern to minimize the total disturbed area at any one time. Final grading and seeding shall take place as soon as practical.

A rain gauge shall be placed at the project in a workable location and monitored during rainfall periods until all disturbed areas are stabilized. In the event there is a rainfall greater than 1/2" in a 12-hour period, all erosion control measures shall be checked and repaired as required. If no rain gauge is used, all erosion control measures shall be checked after all rainfall events. A checklist will be filled out by the contractor each week.

All soil erosion and sediment control measures shall be installed as shown on the proposed site plans. It is the intent of this plan that soil erosion measures are the first to be installed and the last to be removed. Surface waters on and adjacent to the site and abutting properties are to be protected from degradation and sedimentation. If abutting properties or street right-of way are jeopardized by construction, it shall be the owner's or contractor's responsibility to protect those properties.

Soil erosion measures shall be inspected weekly and after significant storm events. Make all necessary repairs to facilities as soon as possible. Silt fences and straw bale barriers, temporary sediment trap, and construction swales which accumulate sediment and debris shall be cleaned and re-set.

STORMWATER SYSTEMS

The proposed site plan includes the following stormwater structures:

- Catch Basins with sumps, and Drainage Manholes
- Drainage Piping
- Subgrade Detention Chamber System
- Modified Riprap Splashpad & Level Spreader

The residential homeowner's association of the Tunxis Road development will be responsible for the operation and maintenance of the stormwater structures located outside of the road right-of-way. Checklists will be utilized during the inspection and cleaning process and kept on file in the maintenance office.

1. Catch Basins with sumps, Drainage Manholes (Includes Outlet Control Structure):
 - a. Catch basins and manholes shall be completely cleaned of accumulated debris and sediments at the completion of construction.
 - b. For the first year, catch basins, and manholes shall be inspected on a quarterly basis.
 - c. Any accumulated debris within the catch basins/ manholes shall be removed and any repairs as required.
 - d. From the second year onward, visual inspections shall occur twice per year, once in the spring and once in the fall, after fall cleanup of leaves has occurred.
 - e. Accumulated debris within the catch basins/ manholes shall be removed and repairs made as required.
 - f. Accumulated sediments shall be removed at which time they are within 12 inches of the invert of the outlet pipe.
 - g. Any additional maintenance required per the manufacturer's specifications shall also be completed.
2. Drainage Piping
 - a. All storm drainage piping shall be completely flushed of debris and accumulated sediment at the completion of construction.
 - b. Unless system performance indicates degradation of piping, comprehensive video inspection of storm drainage piping shall occur once every ten years.
 - c. Any additional maintenance required per the manufacturer's specifications shall also be completed.
3. Subgrade Detention Chamber System

The Subgrade Detention Systems will have an Isolator Row which is wrapped in a specified filter fabric to trap sediment and will be inspected every three months and shall be cleaned once a year at a minimum. If during inspection, it is found that the sediment has accumulated within the Isolator Row, it shall be cleaned immediately with a jet-vac. The System's Isolator Row should be cleaned after the snow and ice removal seasons and before spring rainfall events.
5. Modified Riprap Splashpad & Level-Spreader

The Modified Riprap Splashpad & Level-Spreader will be inspected every three months and shall be cleaned once a year at a minimum. If during inspection, it is found that the sediment has accumulated within the splashpad and/or level-spreader, it shall be cleaned immediately. The splashpad and level-spreader should be cleaned after the snow and ice removal seasons and before spring rainfall events.

Disposal of Debris and Sediment:

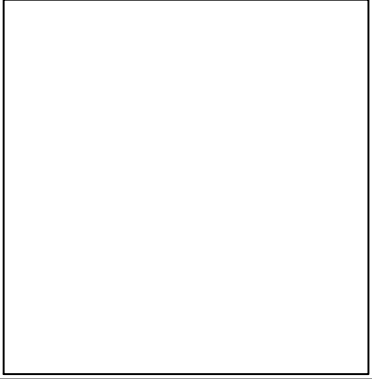
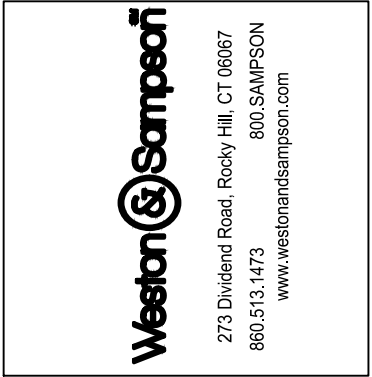
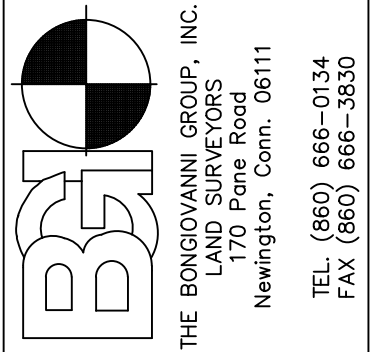
All debris and sediment removed from the stormwater structures shall be disposed of legally. There shall be no dumping of silt or debris into or in proximity to any inland wetlands.

Maintenance Records:

The Owners(s) must maintain all records (logs, invoices, reports, data, etc.) and have them readily available for inspection at all times.

STORMWATER SYSTEM INSPECTION CHECKLIST				
DATE/TIME: _____				
INSPECTOR: _____				
STRUCTURE	SATISFACTORY (YES OR NO)	COMMENTS	ACTION	DATE COMPLETED
CATCH BASINS/MANHOLE/OUTLET CONTROL STRUCTURE				
OCS-1				
STORM MH4				
CB20				
CB21				
CB22				
SUBGRADE DETENTION SYSTEM				
ISOLATOR ROW				
24" HDPE MANIFOLD PIPING				
MODIFIED RIPRAP SPLASHPAD				
OUTFALL (NORTH)				
MODIFIED RIPRAP LEVEL-SPREADER				
OUTFALL (NORTH)				

Scale: NONE	Checked: AB	Date	
Date: 1-18-19	Drawn: BTM	Revision	
			4-26-19
			TOWN COMMENTS



RESURVEY
PREPARED FOR
ORCHARD HEIGHTS DEVELOPERS LLC
380 TUNXIS ROAD
WEST HARTFORD, CONNECTICUT

EROSION
&
SEDIMENT
CONTROL
NOTES